

UNIVAC[®] Solid-State Computer

Manual 2 -

LOGIC DRAWINGS

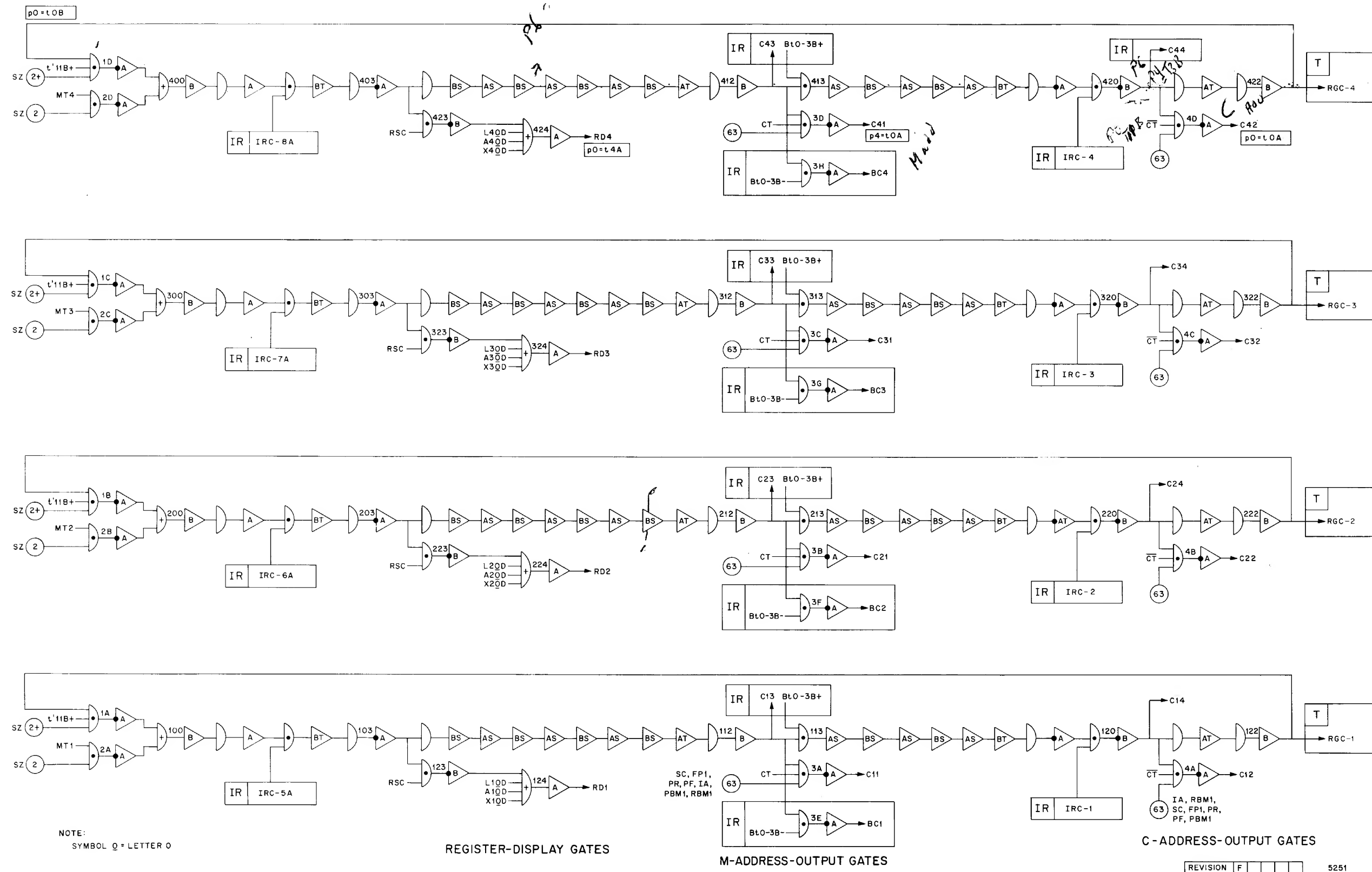
Volume 1A

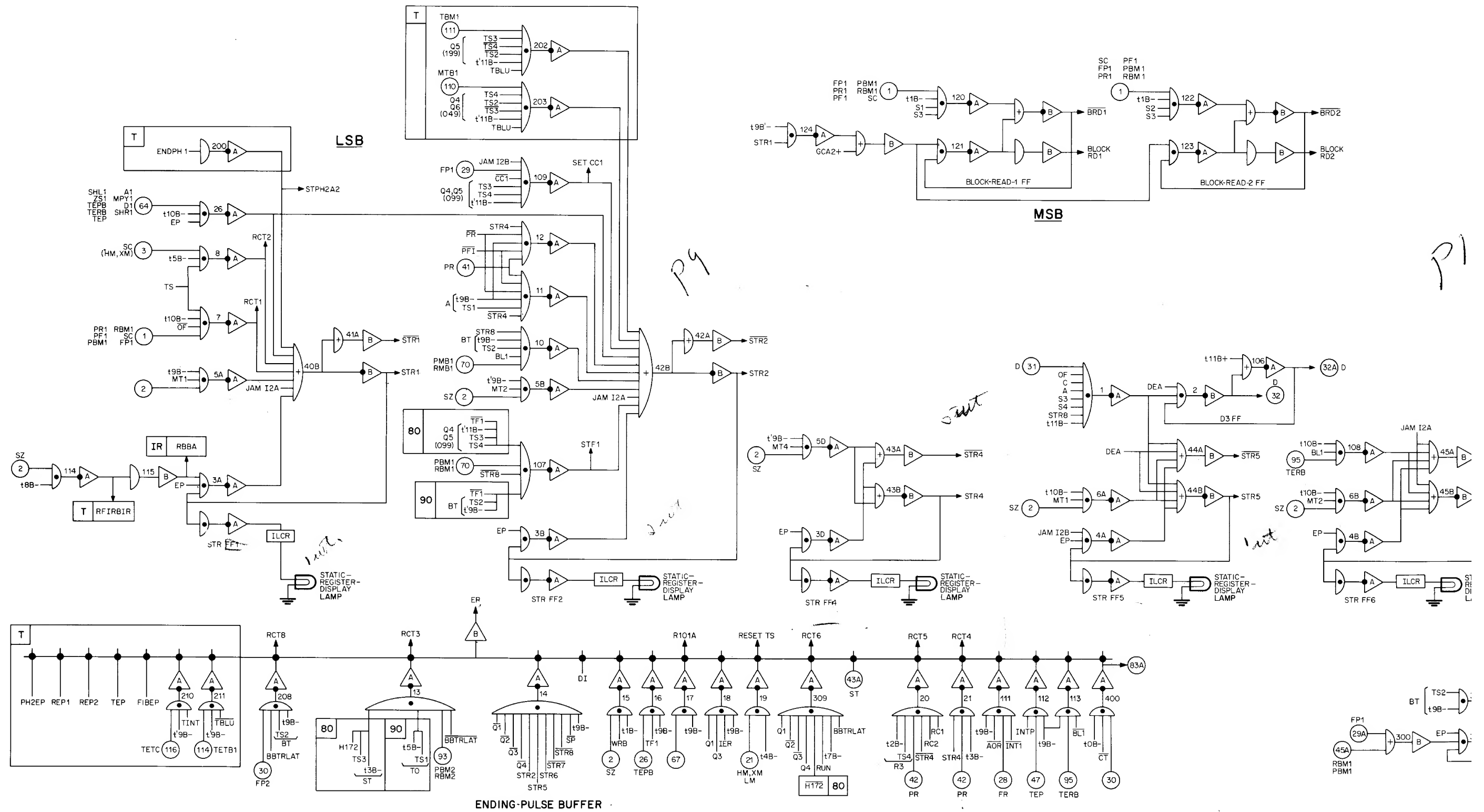
**BASIC SYSTEM
WITH MAGNETIC TAPE
Models 130 and 131**

REPLACED BY VOLUME 1B

Remington Rand Univac[®]
DIVISION OF SPERRY RAND CORPORATION

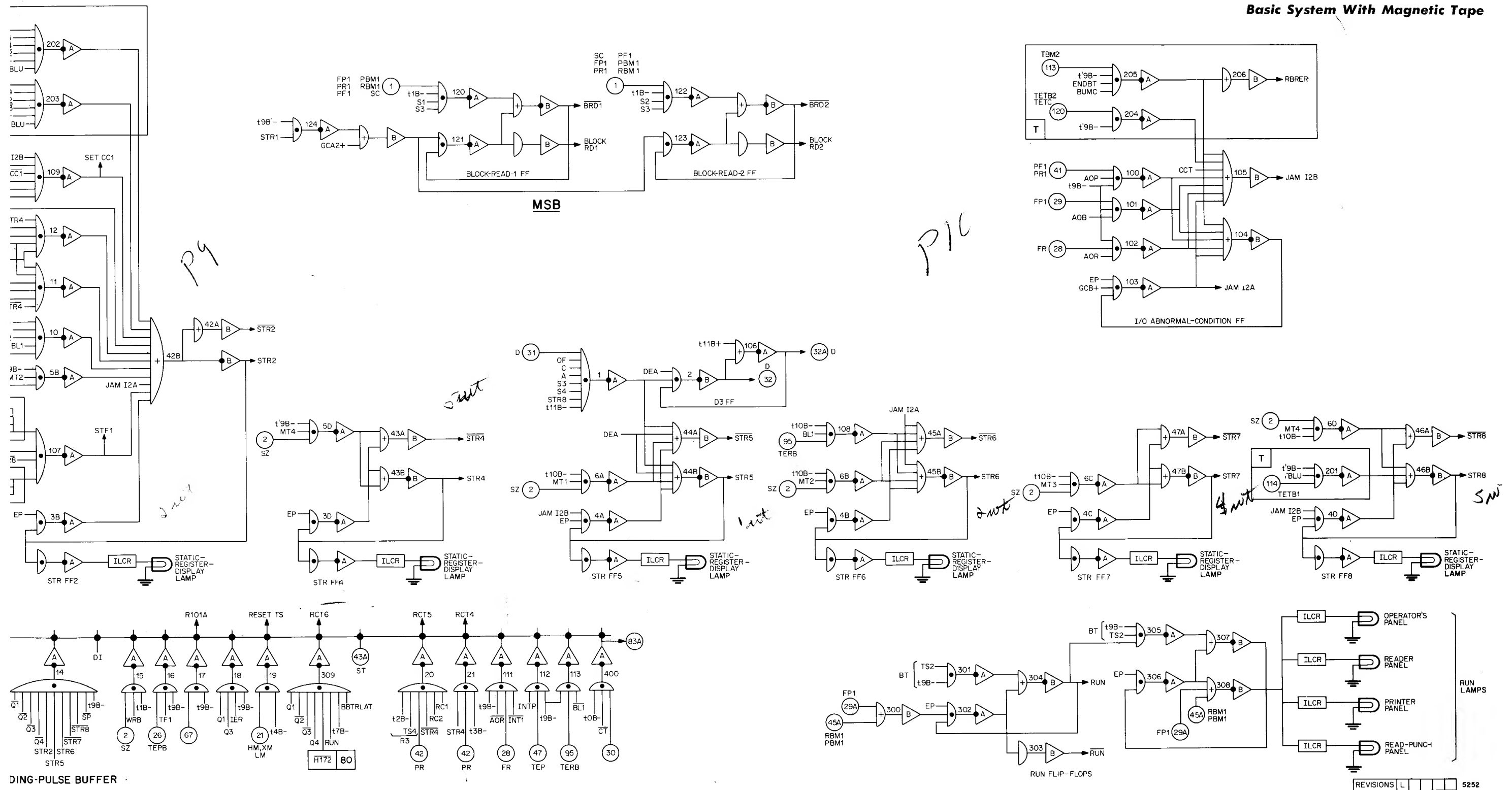
Basic System With Magnetic Tape



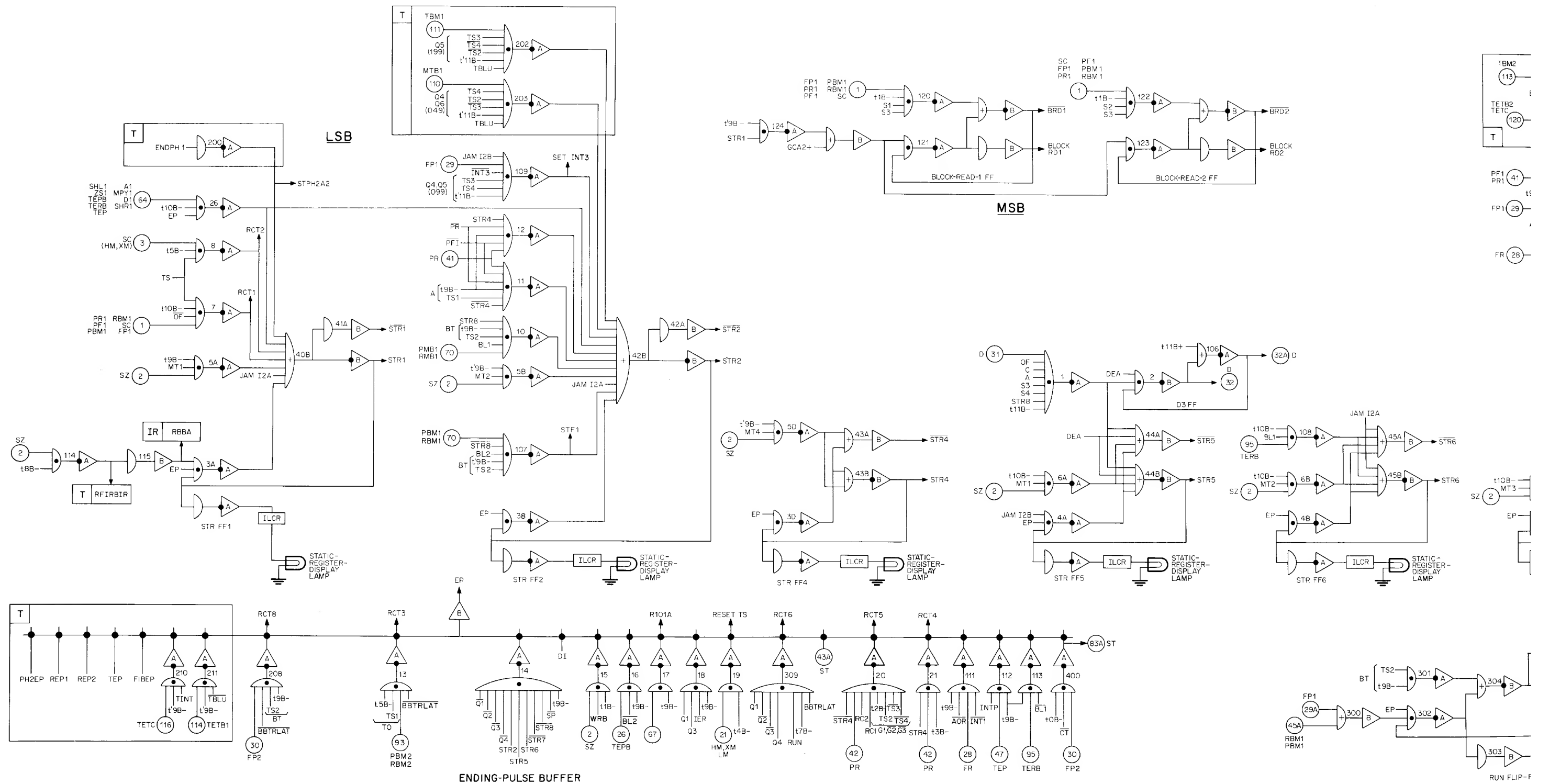


1-2A. Static Register (Model 131)

Basic System With Magnetic Tape

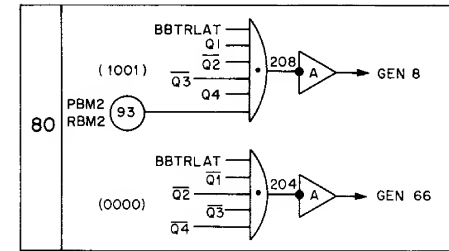
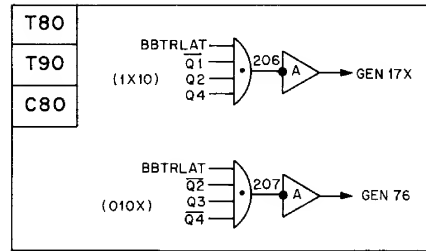
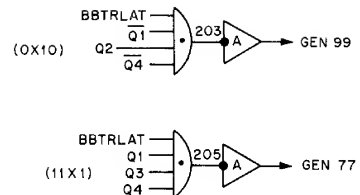
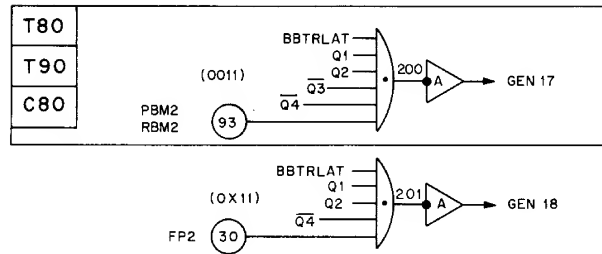


1-2A. Static Register (Model 131)

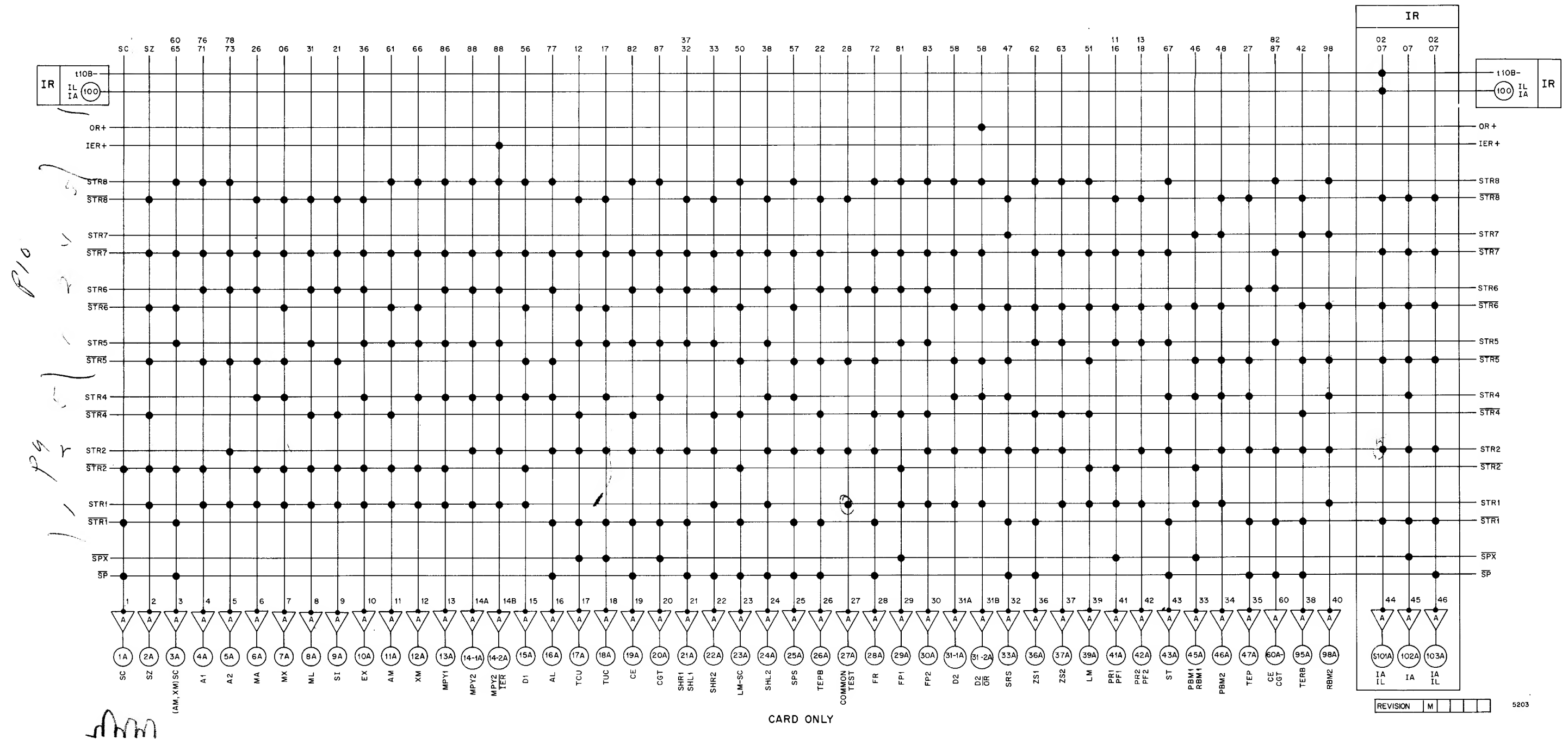


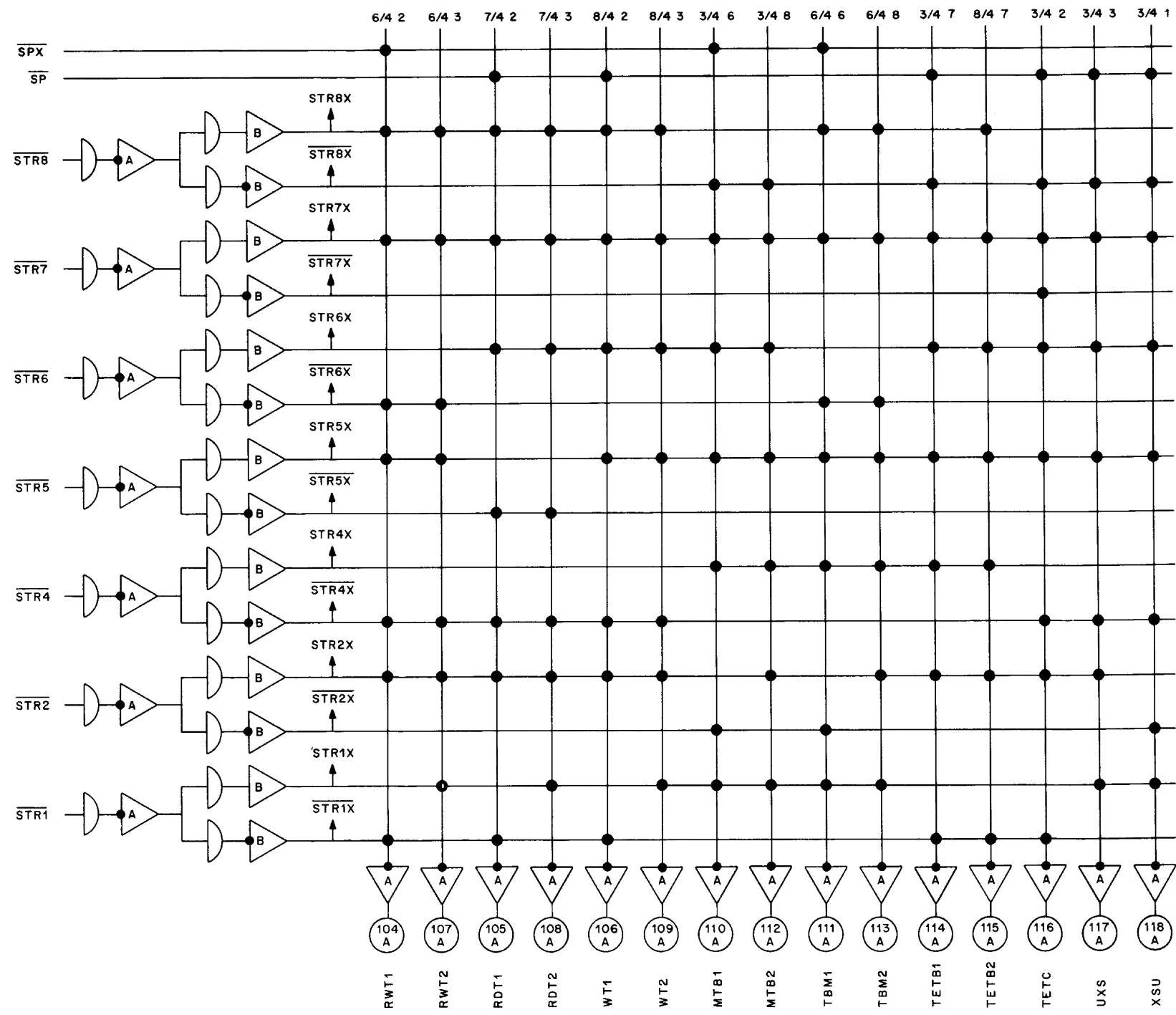
1-2A. Static Register (Model 130)
1-3A





Basic System With Magnetic Tape

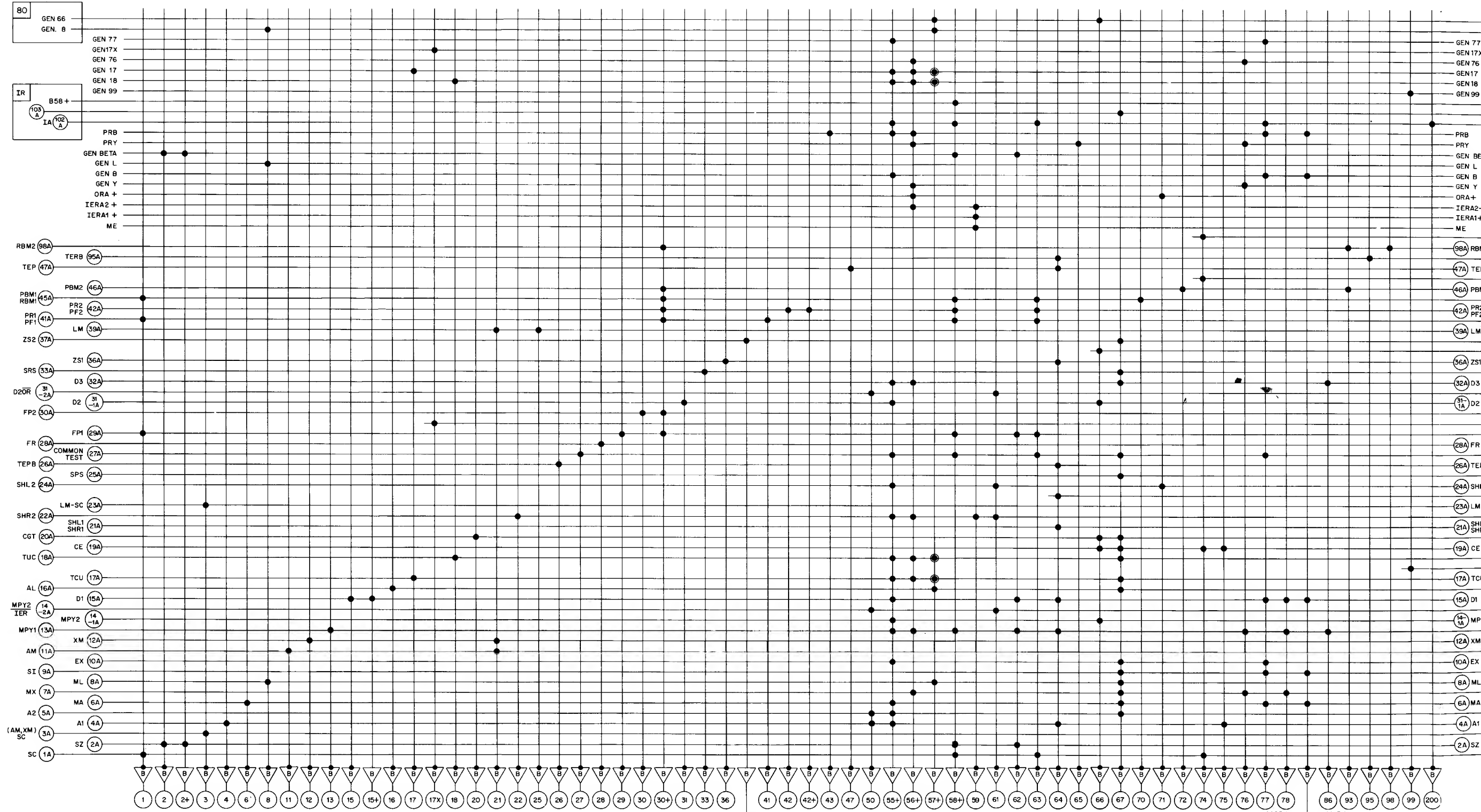




TAPE ONLY

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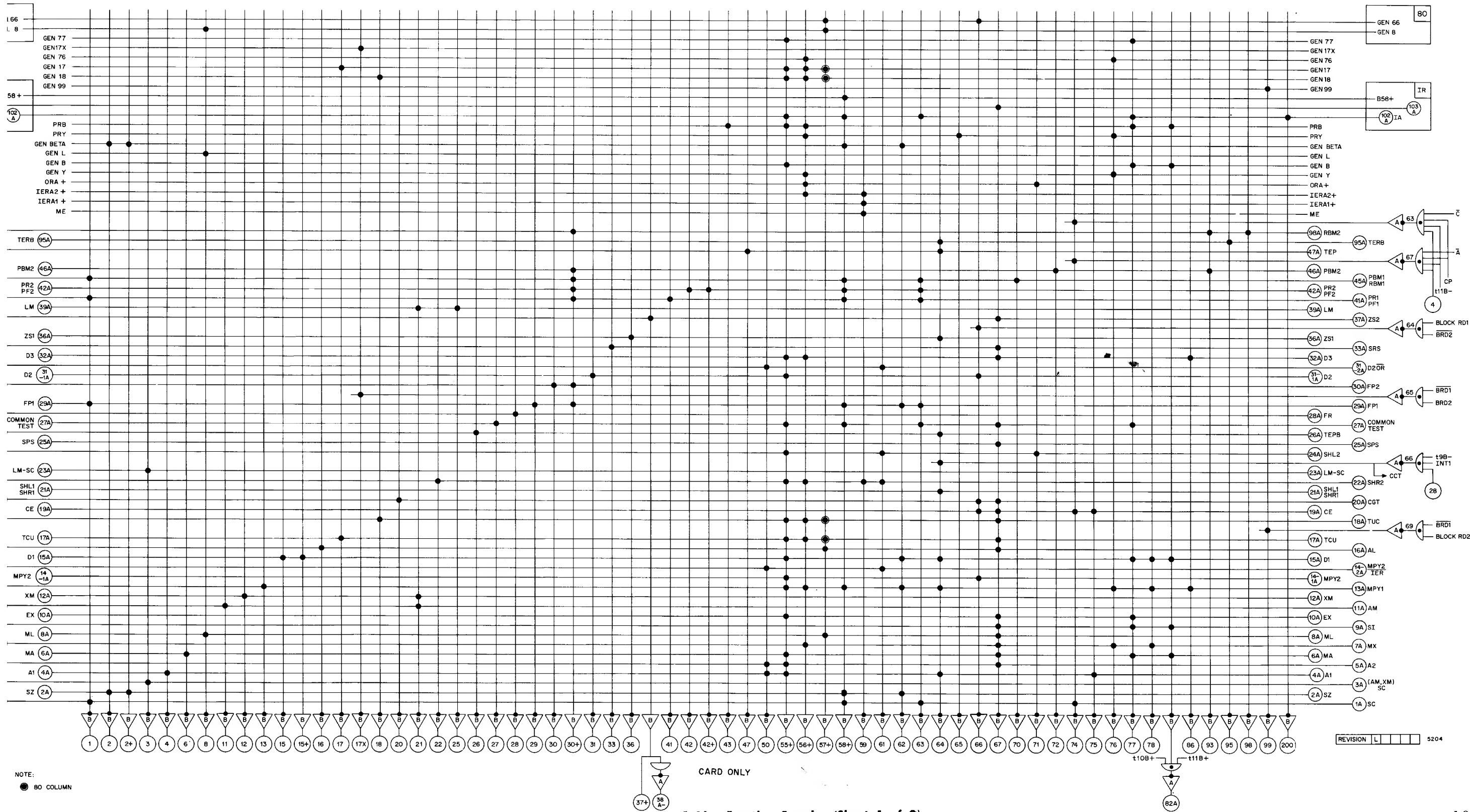


NOTE:
● 80 COLUMN

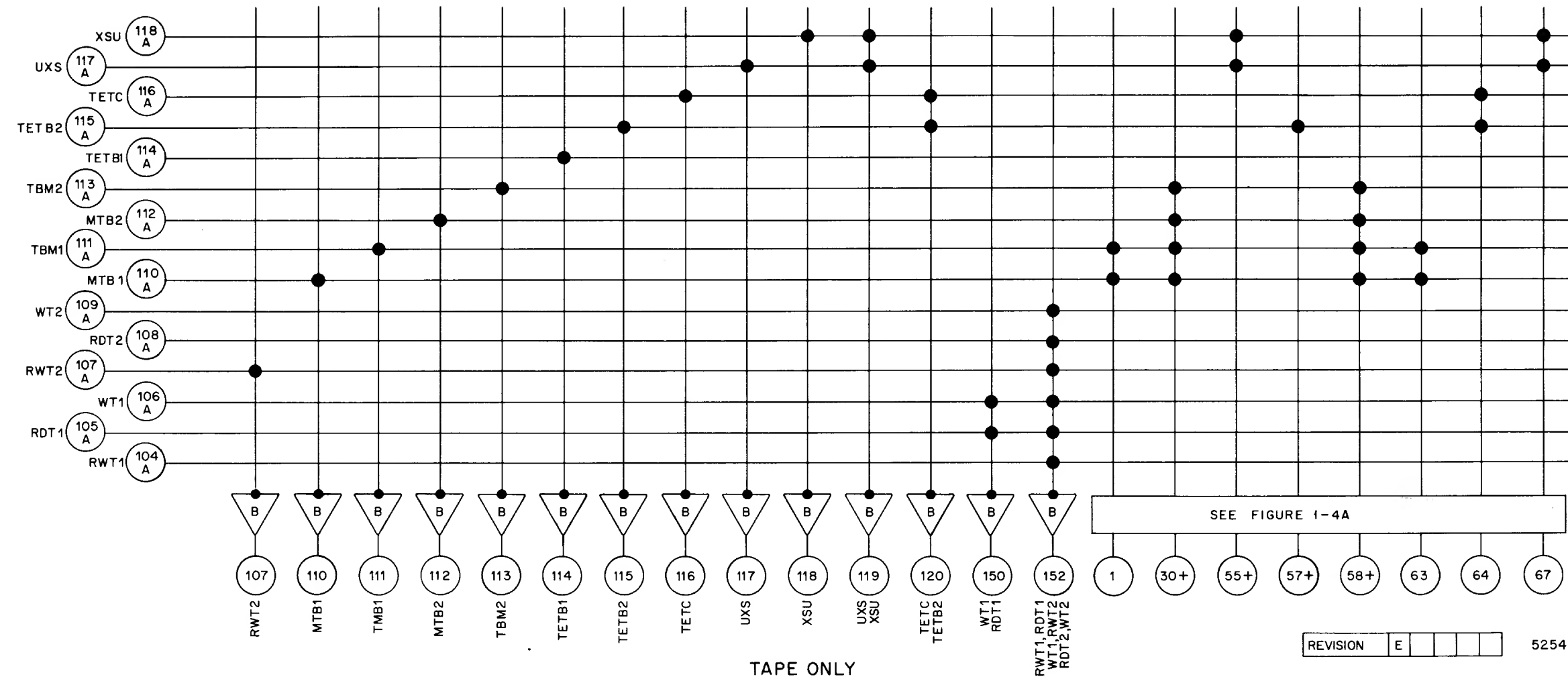
CARD ONLY

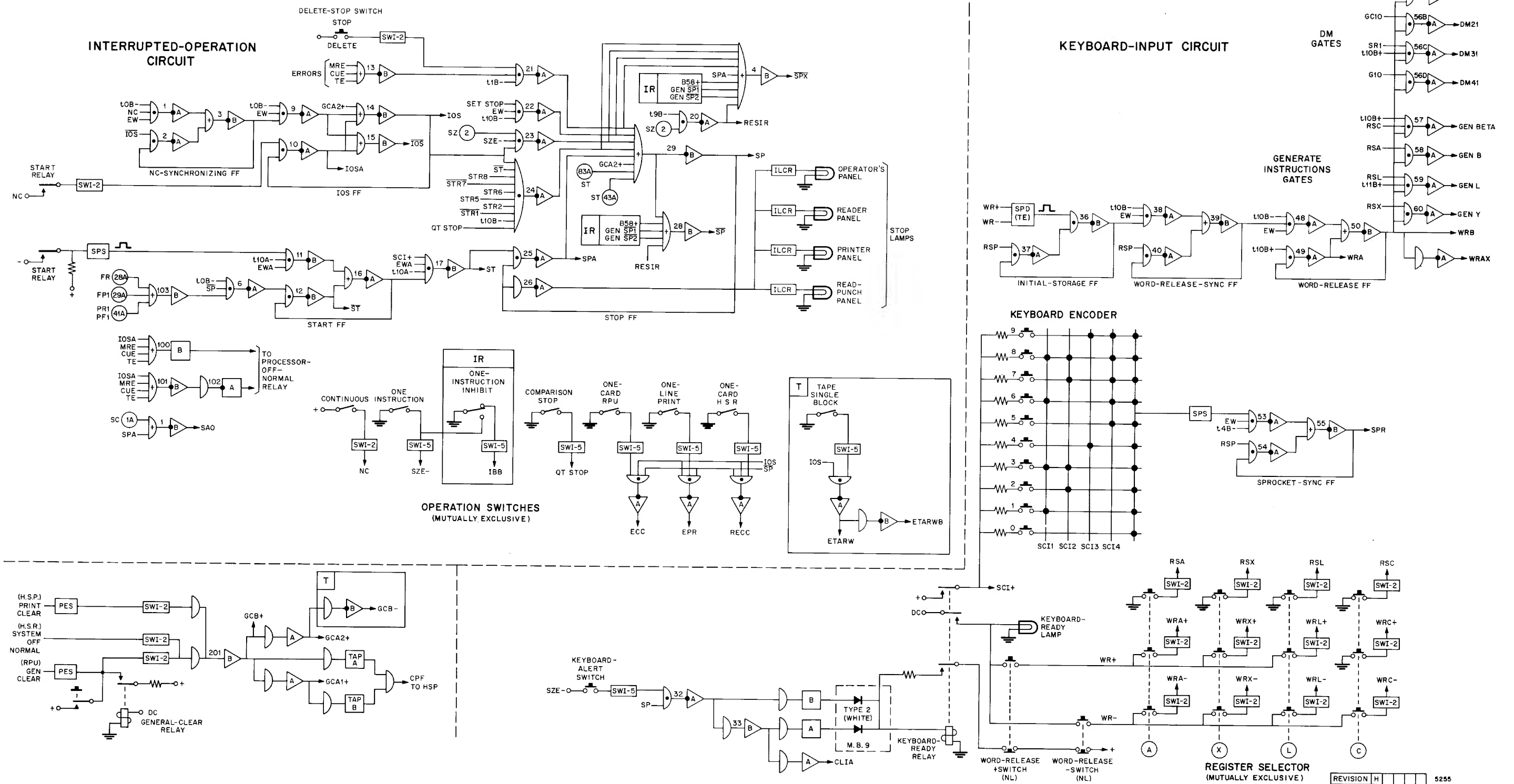
1-4A. Function Encoder (Sheet 1 of 2)

Basic System With Magnetic Tape

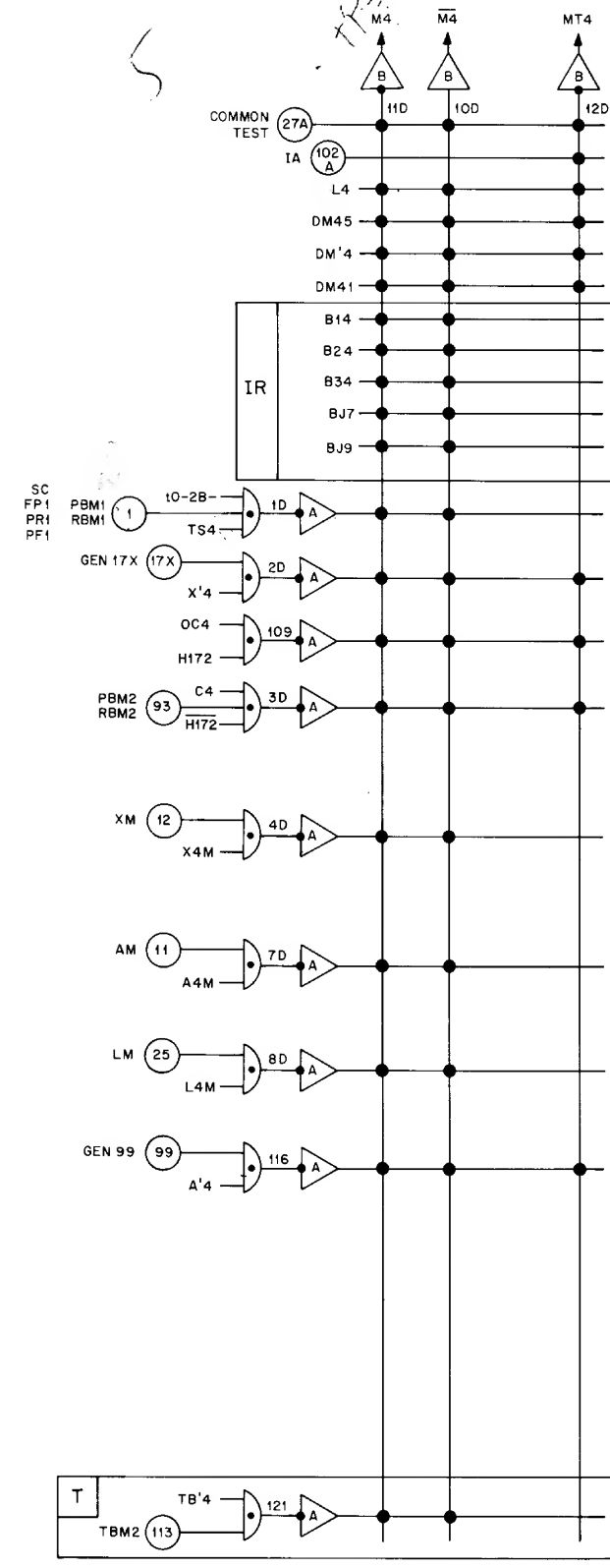
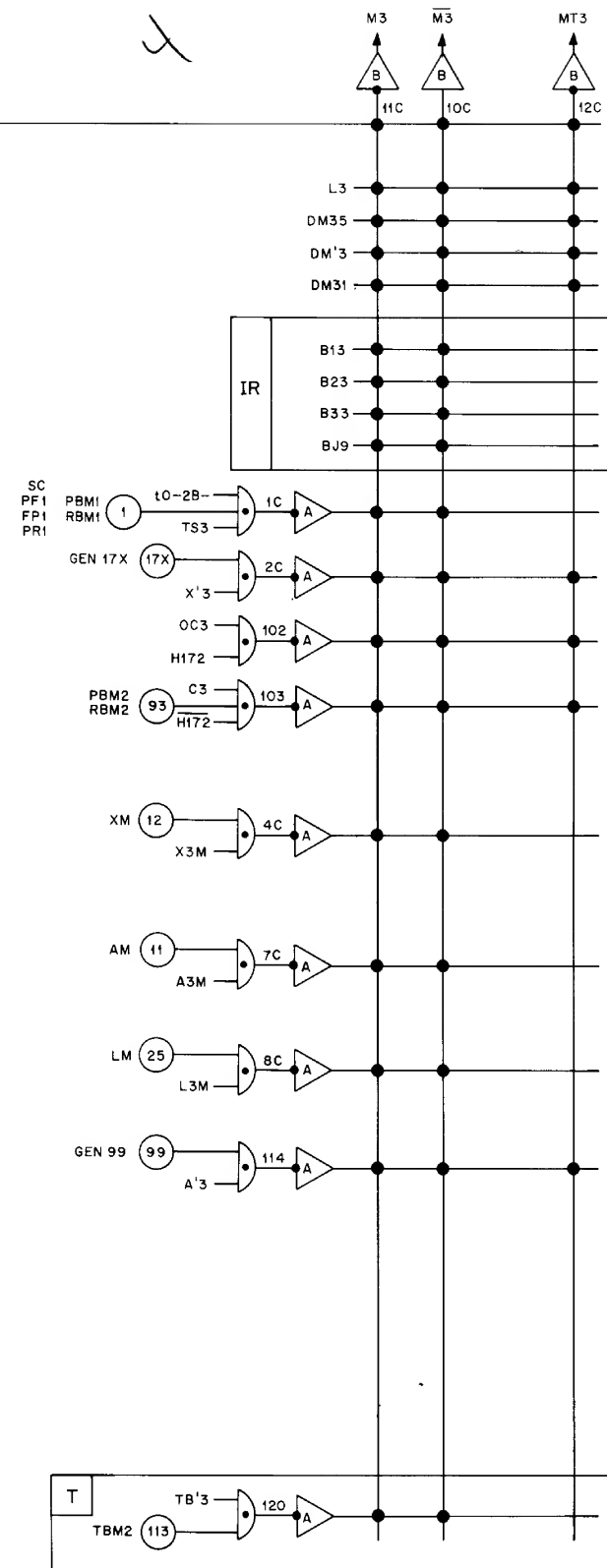
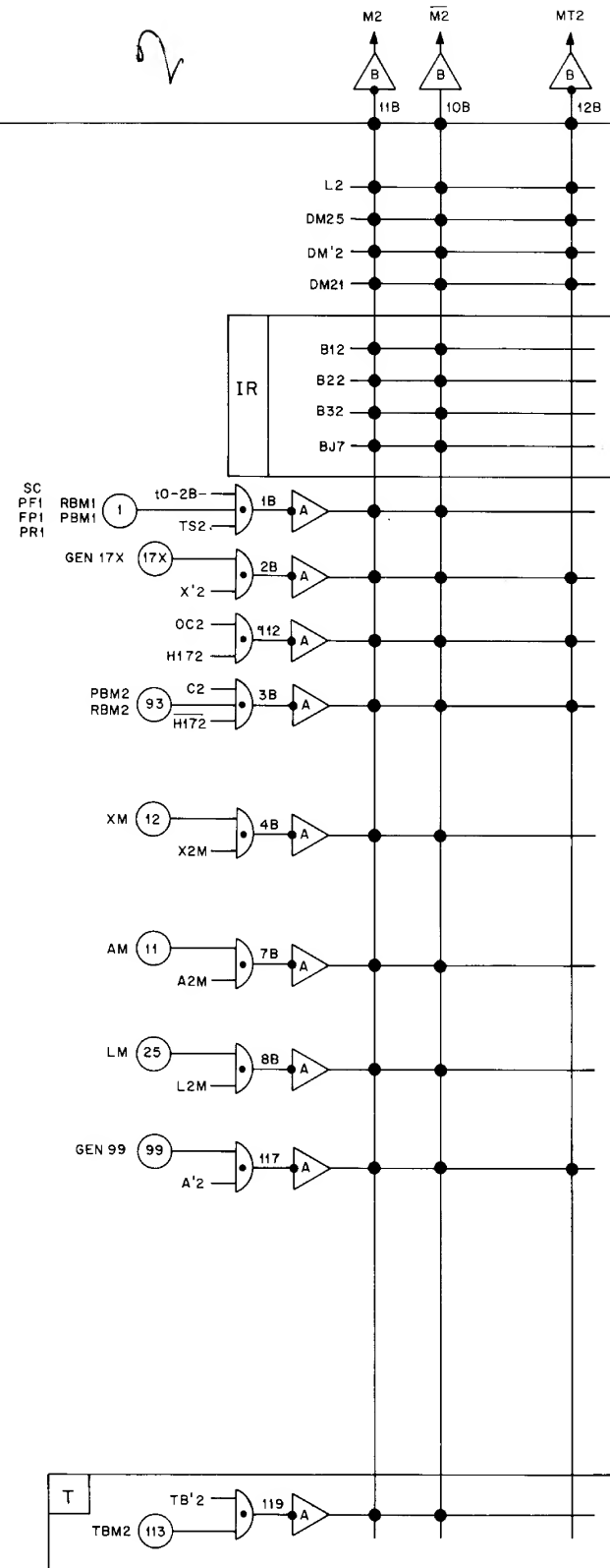
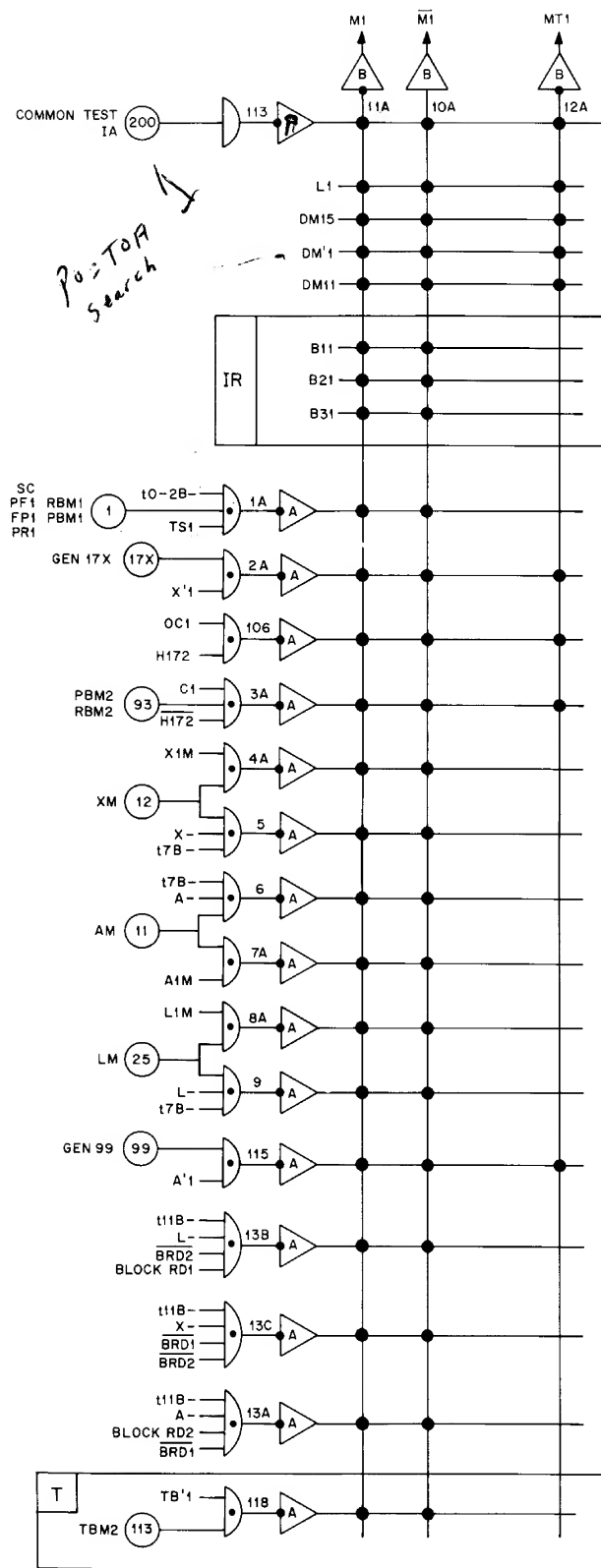


1-4A. Function Encoder (Sheet 1 of 2)



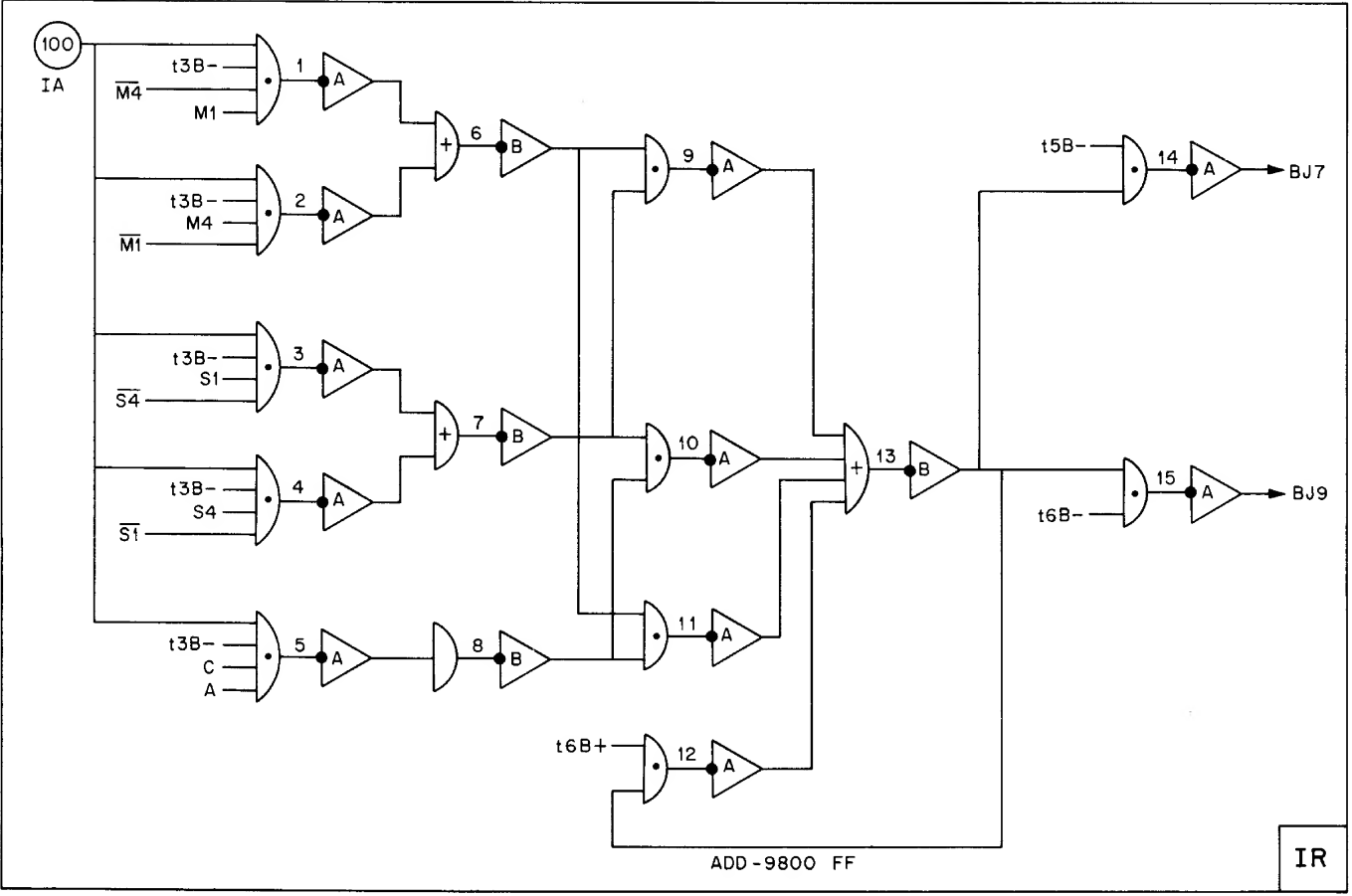


1-5A. Interrupted Operation (Model 131)



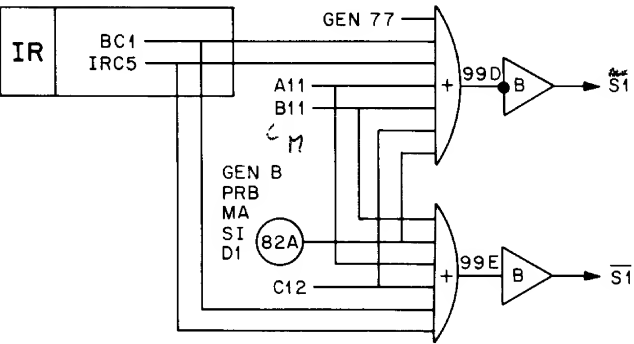
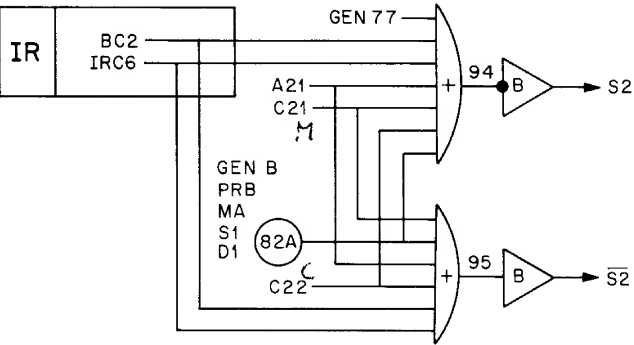
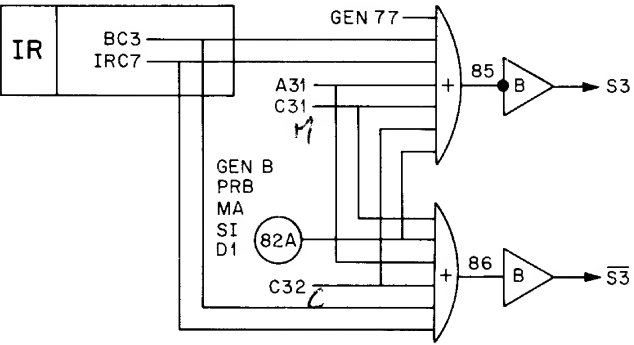
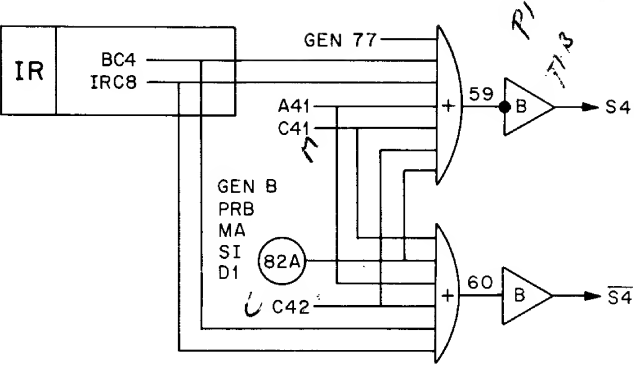
Basic System With Magnetic Tape

1-6A. M Buffers

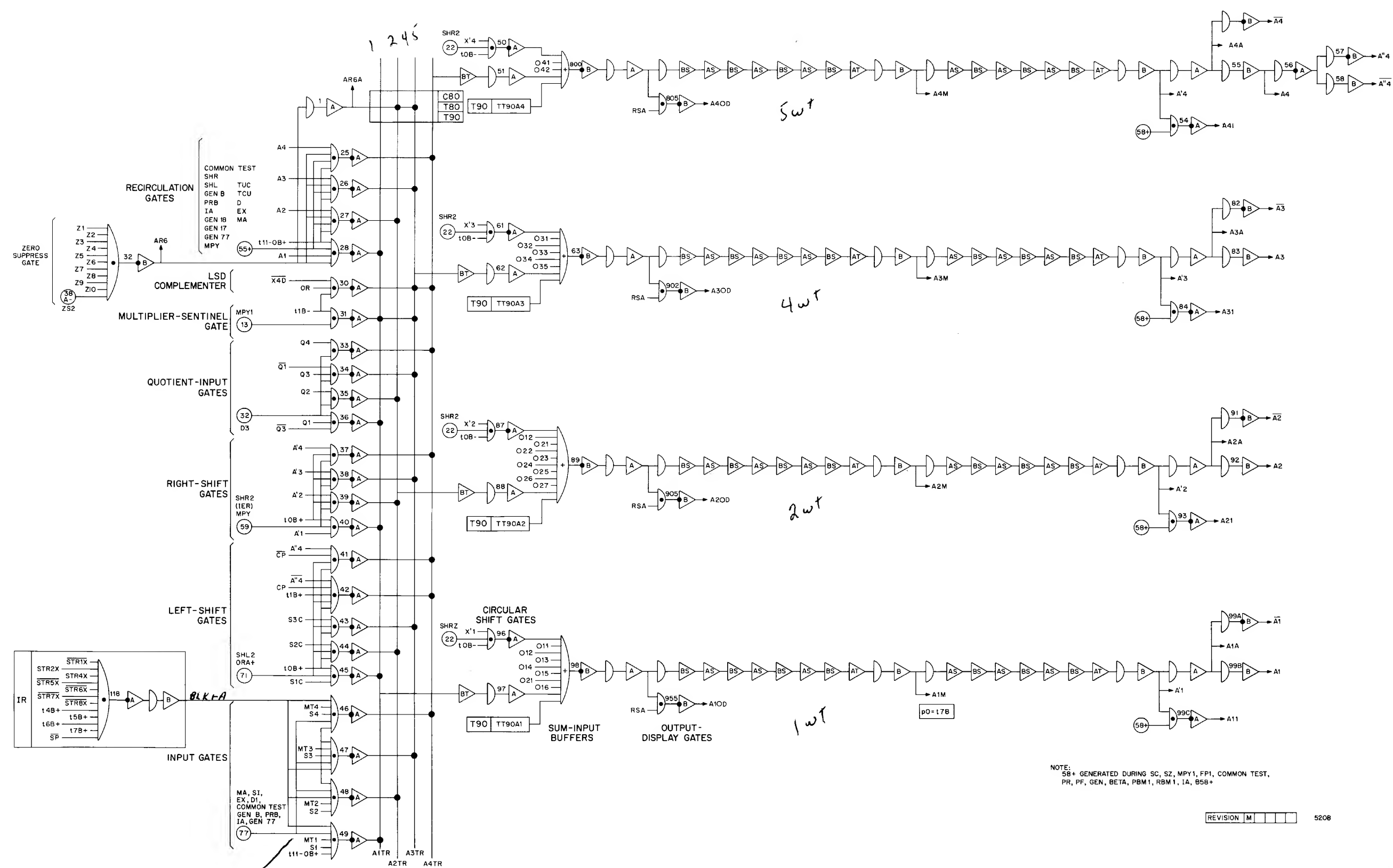


1-7A. S Buffers

Basic System With Magnetic Tape

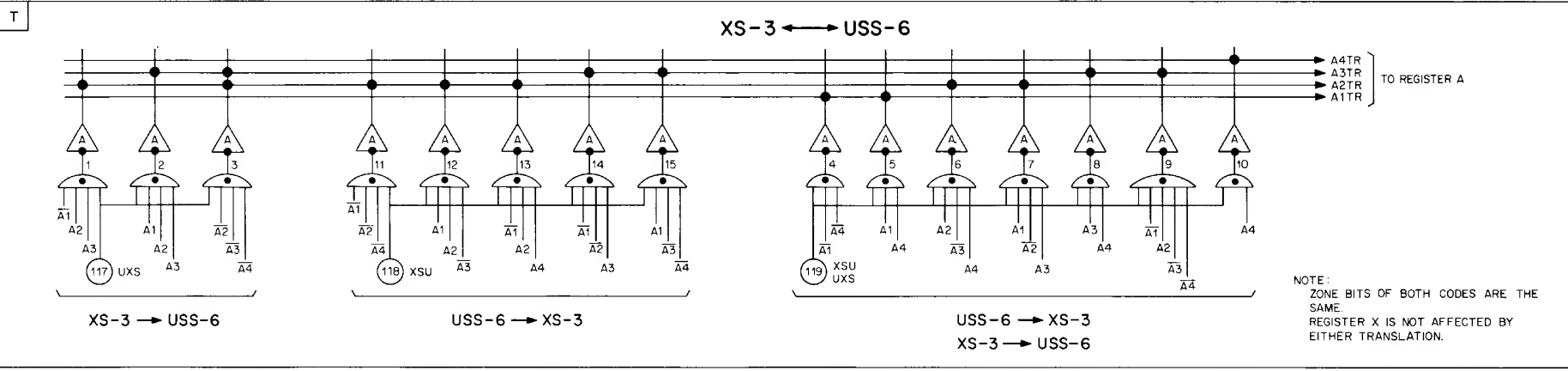
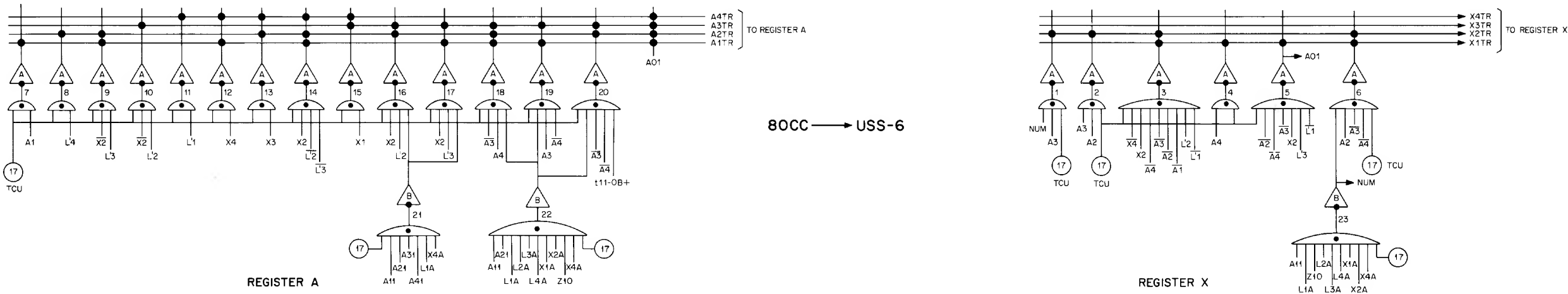
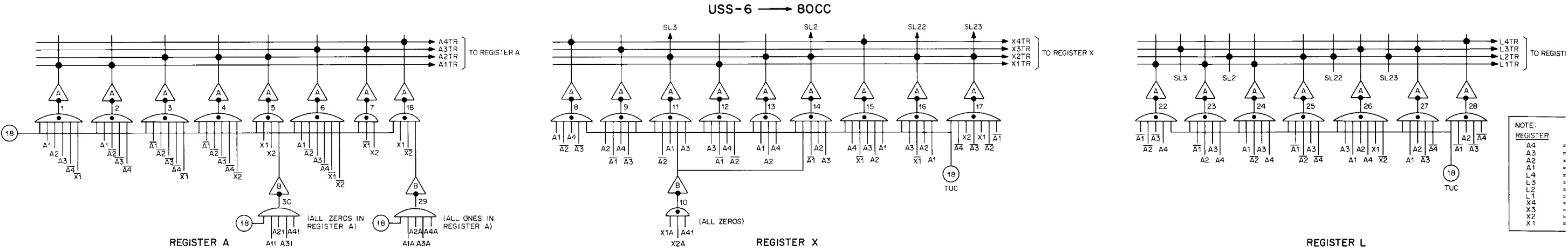


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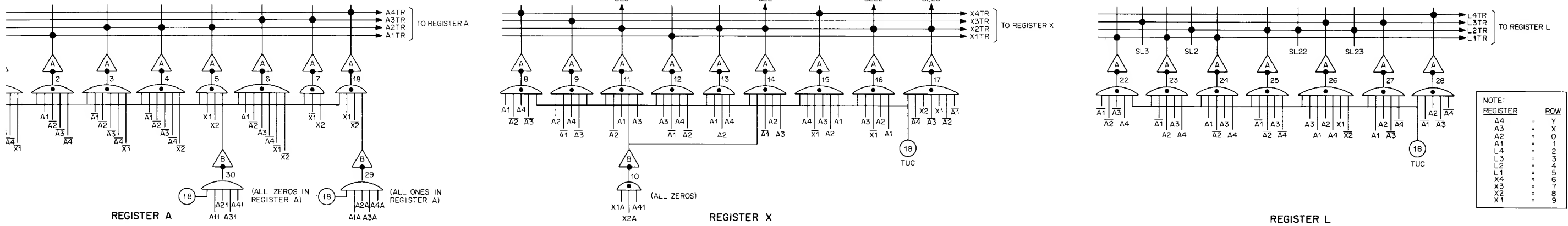


NOTE:
58+ GENERATED DURING SC, SZ, MPY1, FP1, COMMON TEST,
PR, PF, GEN, BETA, PBM1, RBM1, IA, B58+

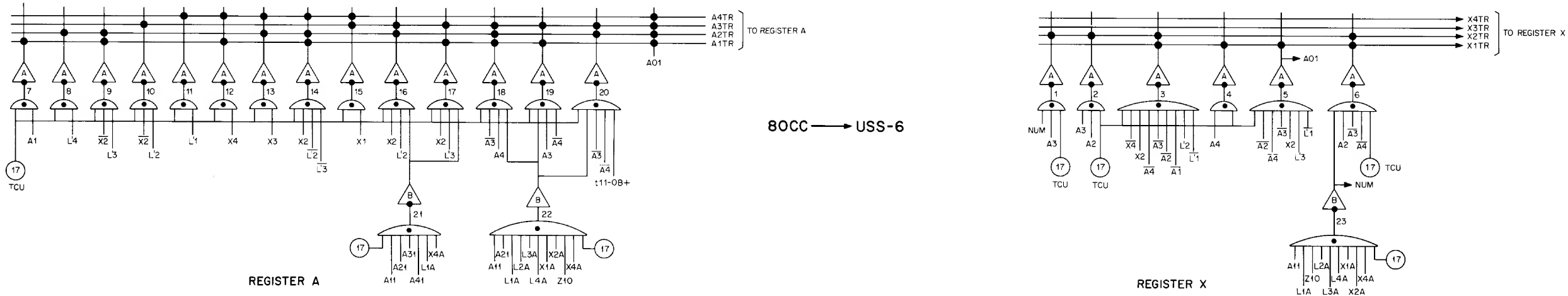
1-8A. Register A



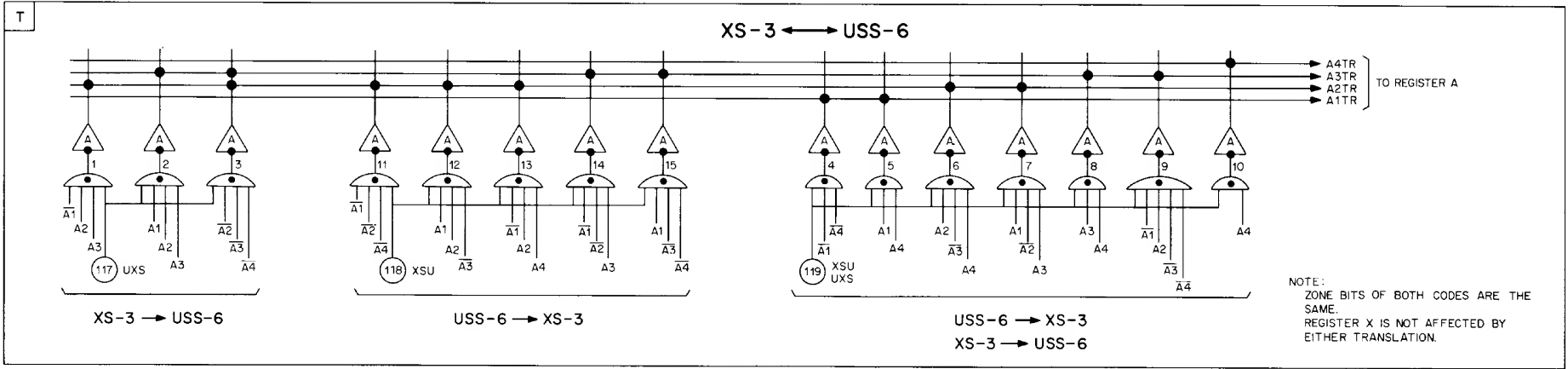
USS-6 → 80CC



80CC → USS-6

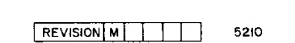


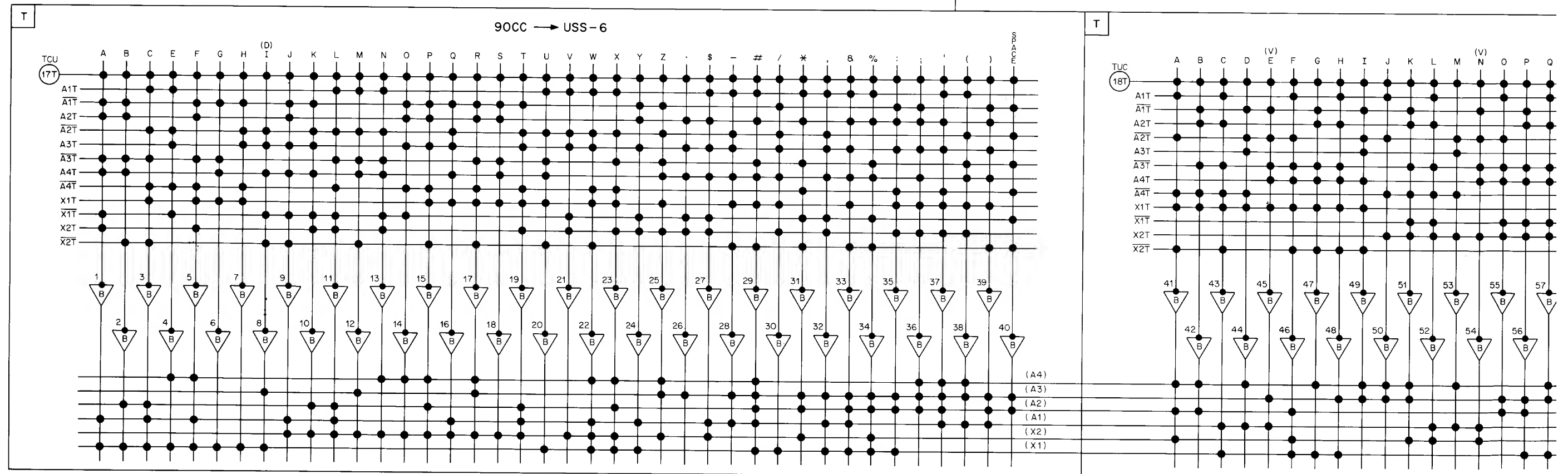
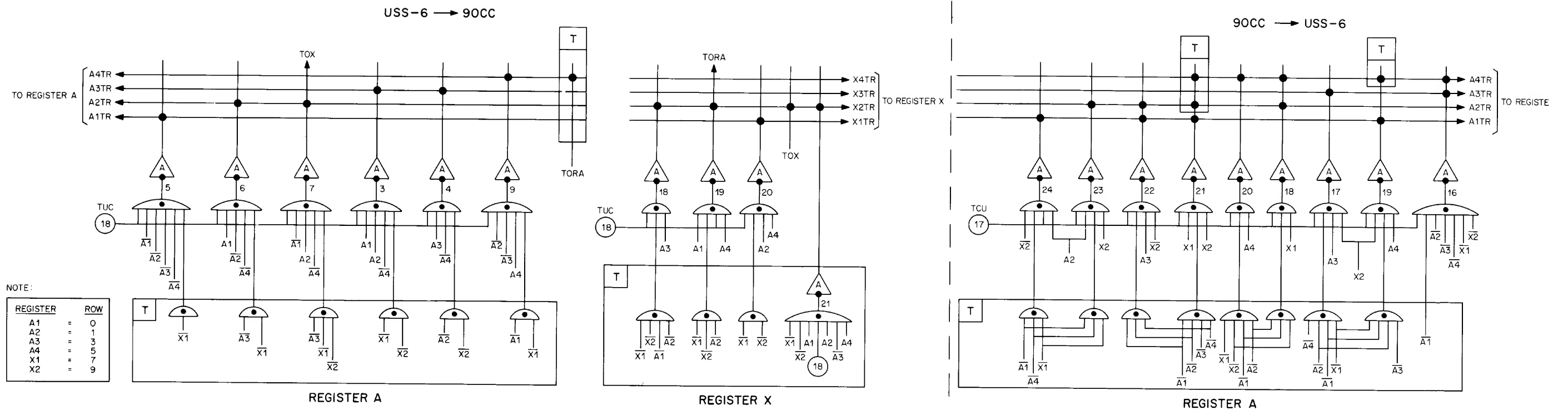
XS-3 ↔ USS-6

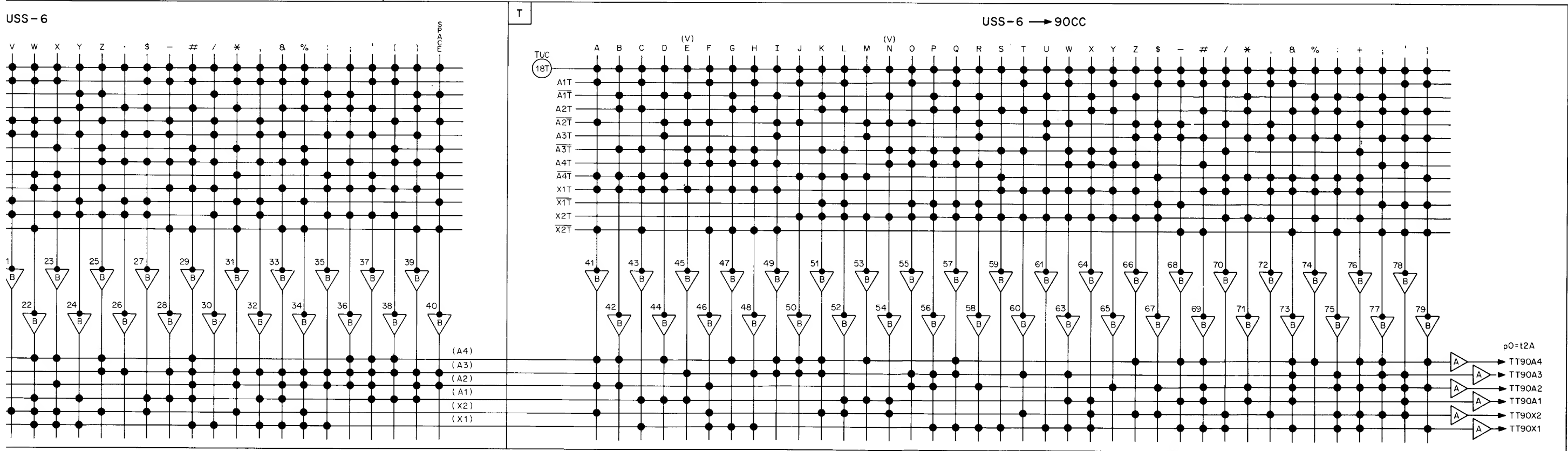
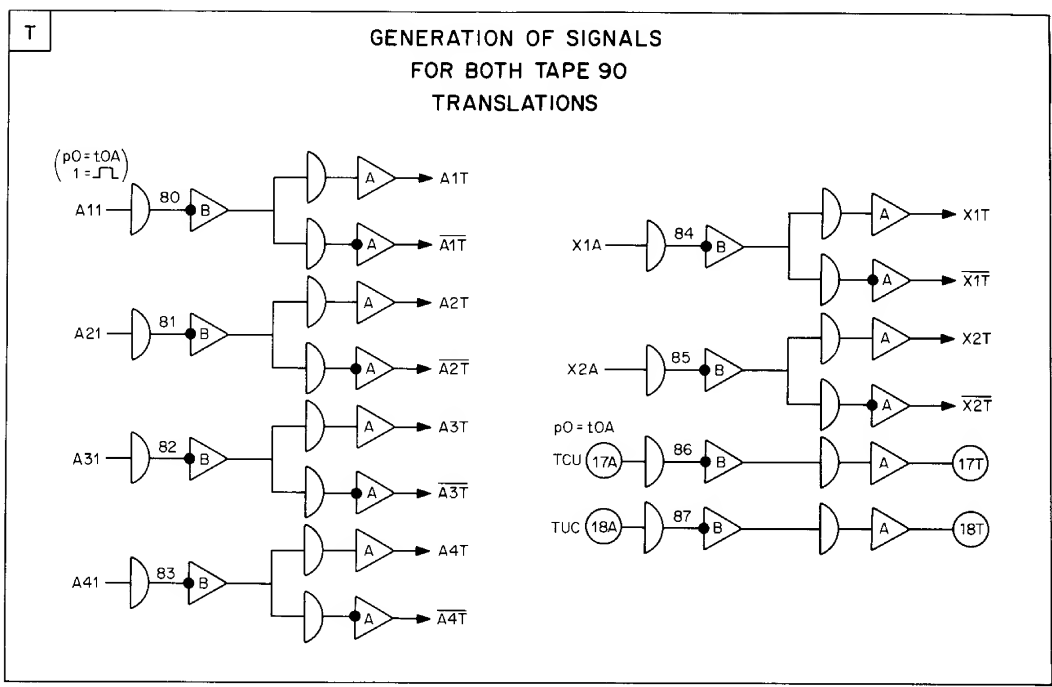
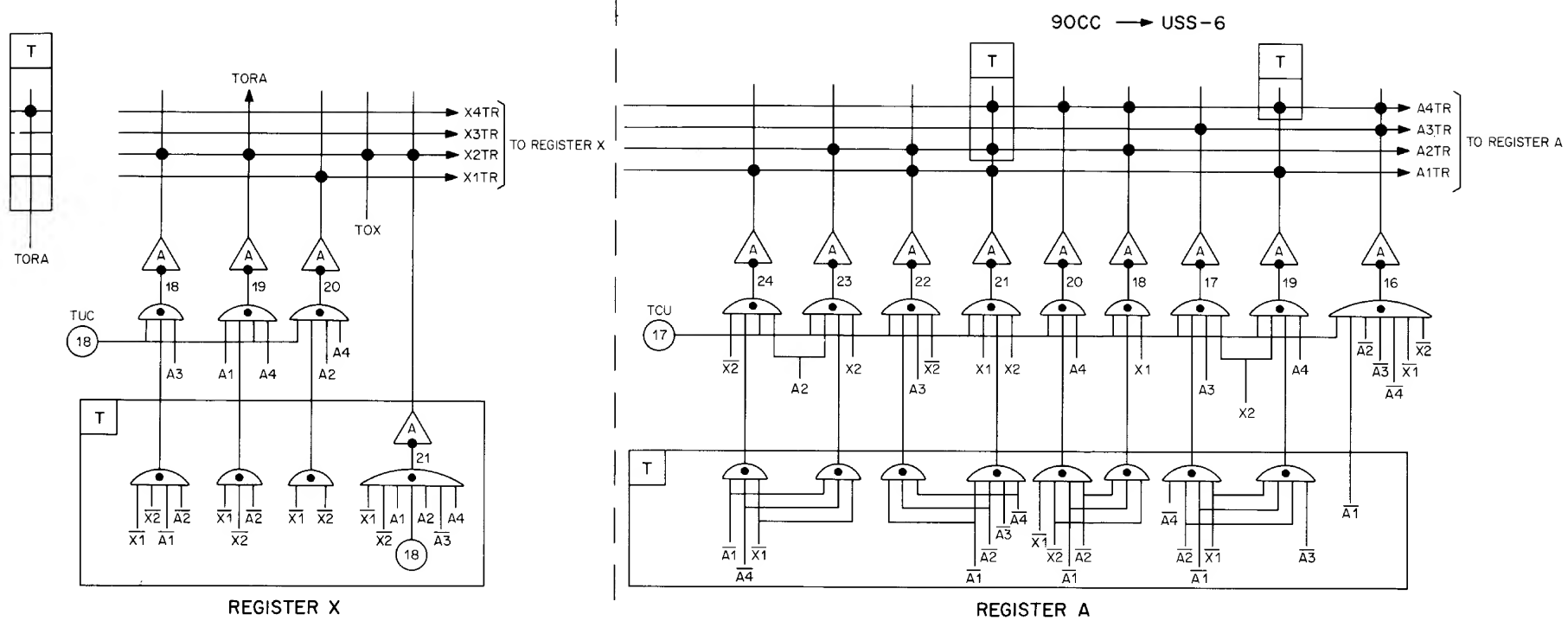


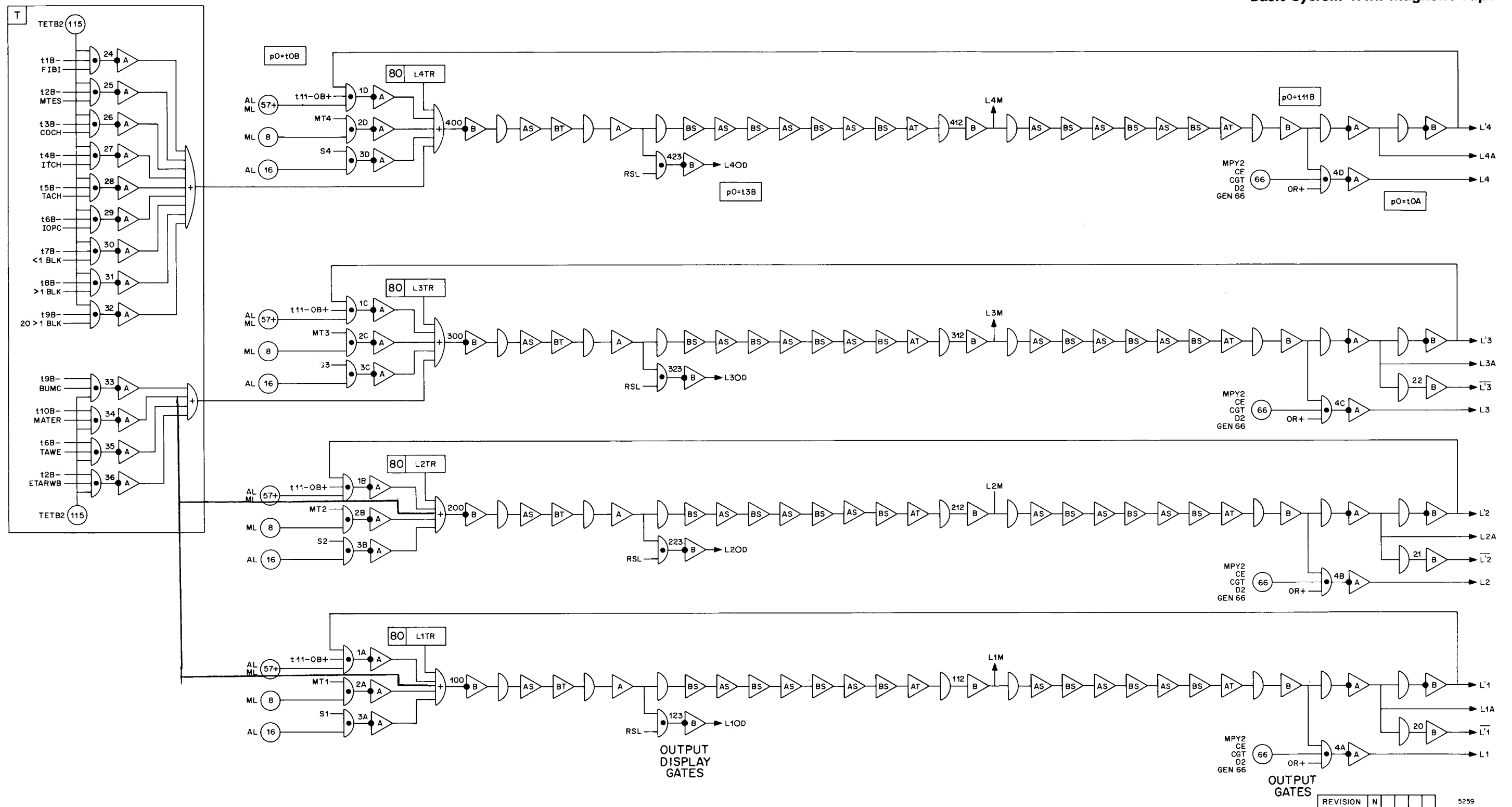
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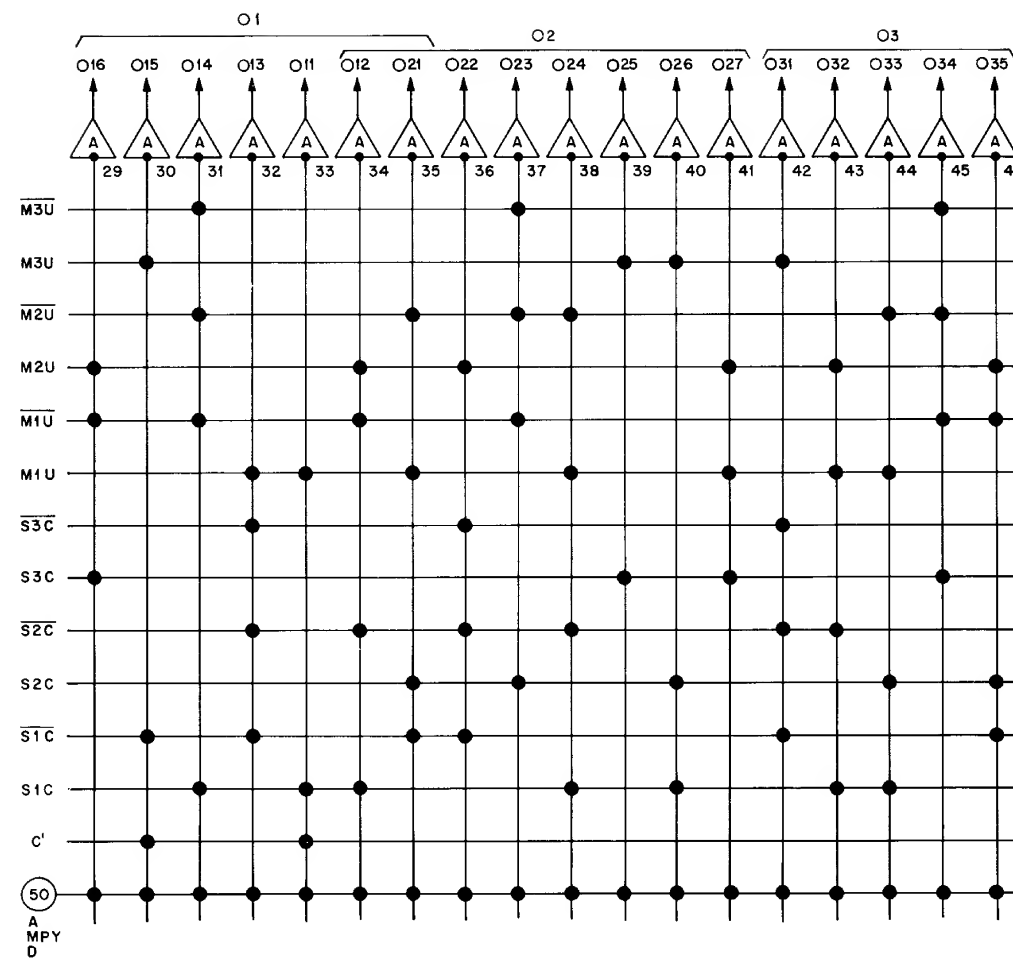
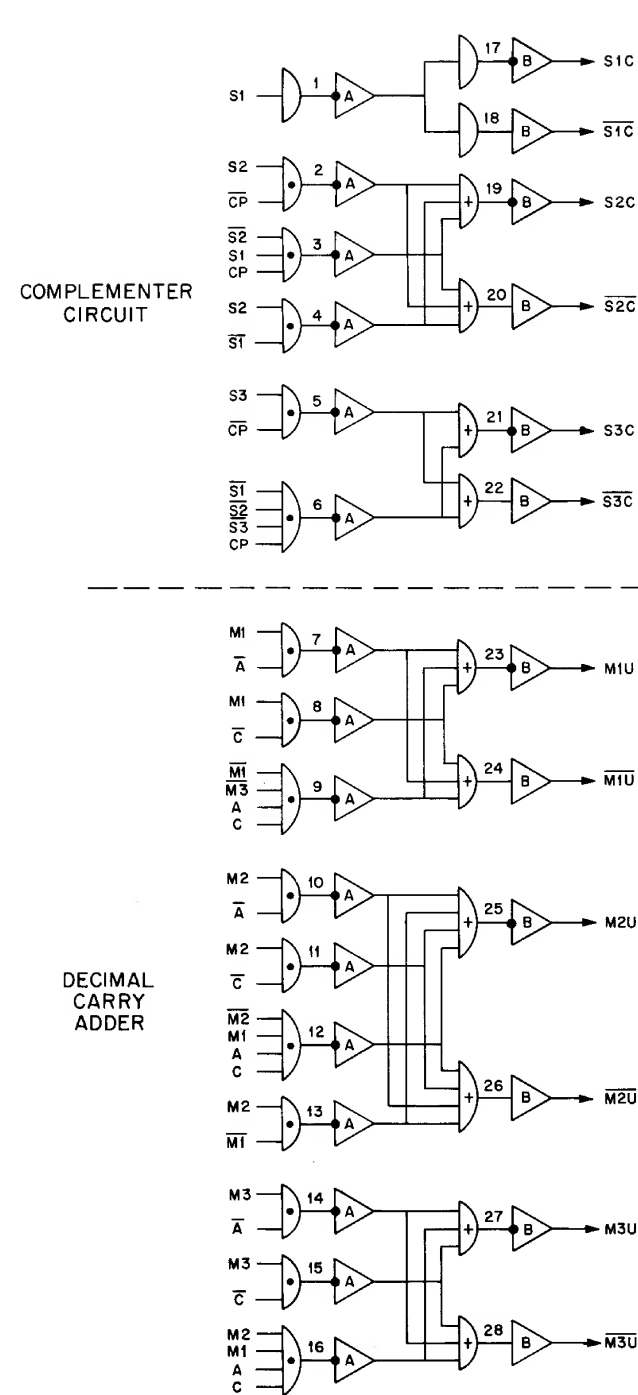
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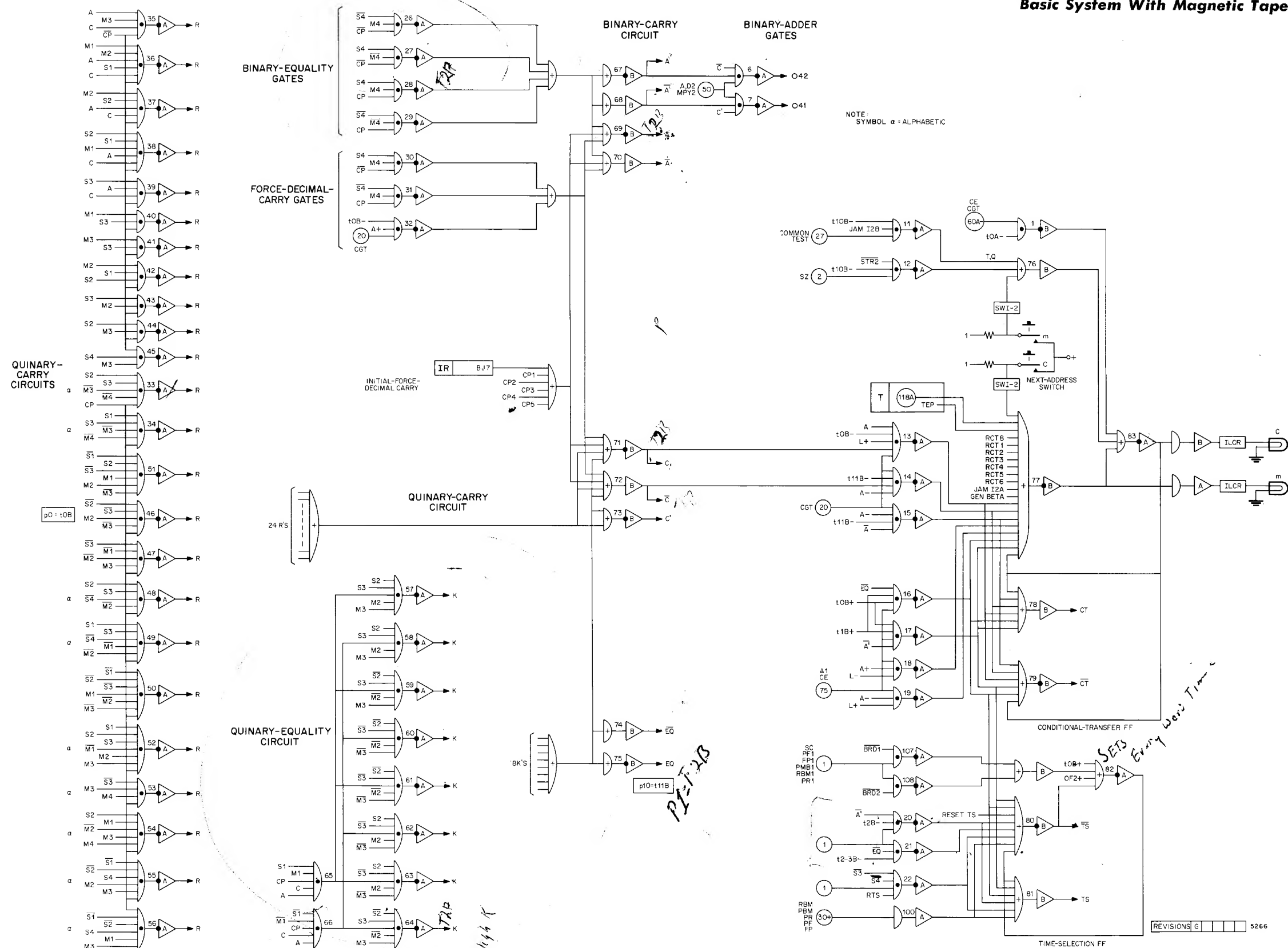


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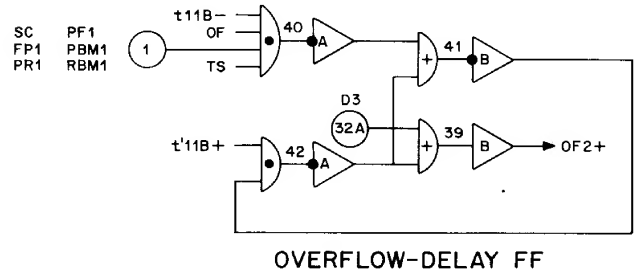
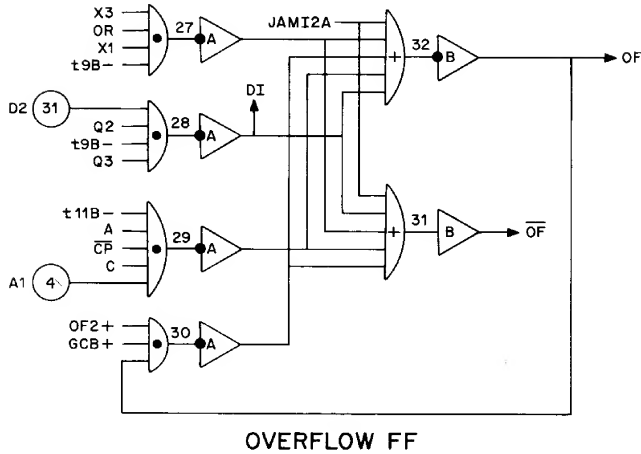
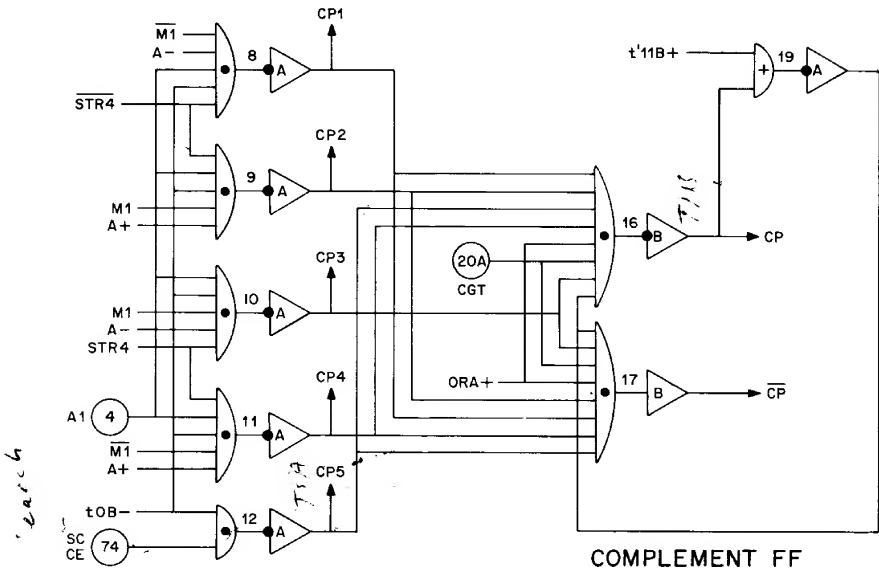
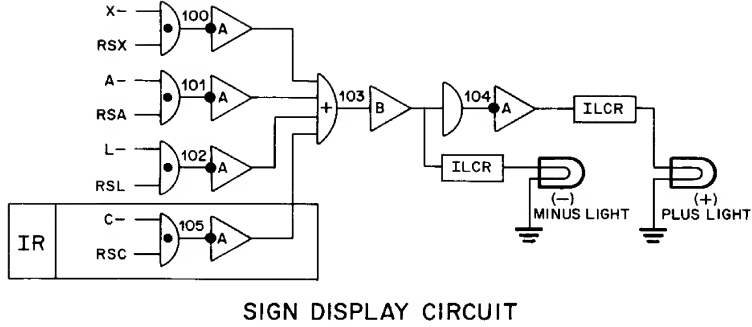
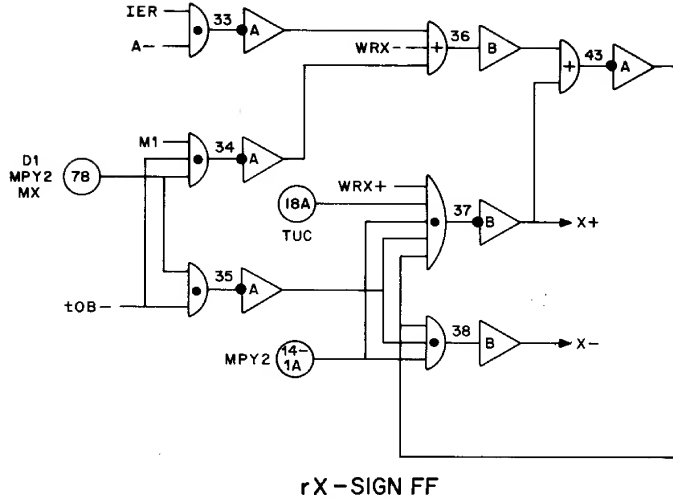
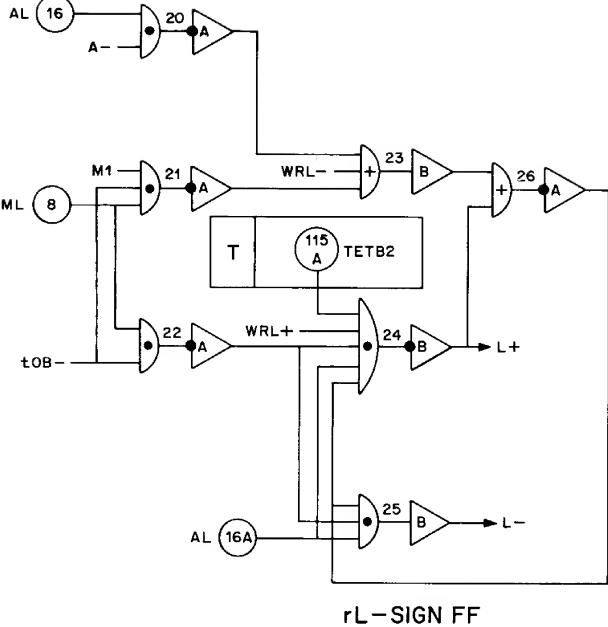
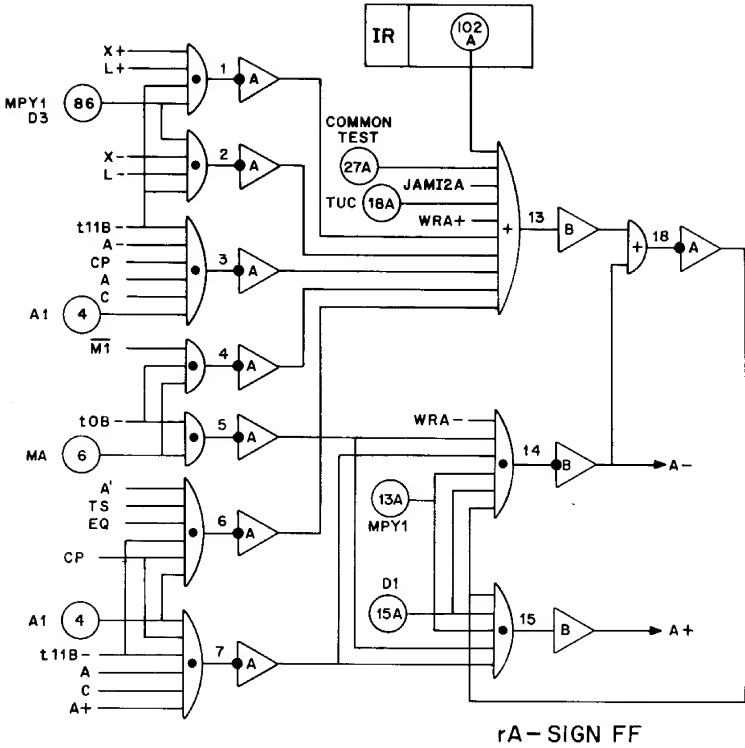
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Basic System With Magnetic Tape

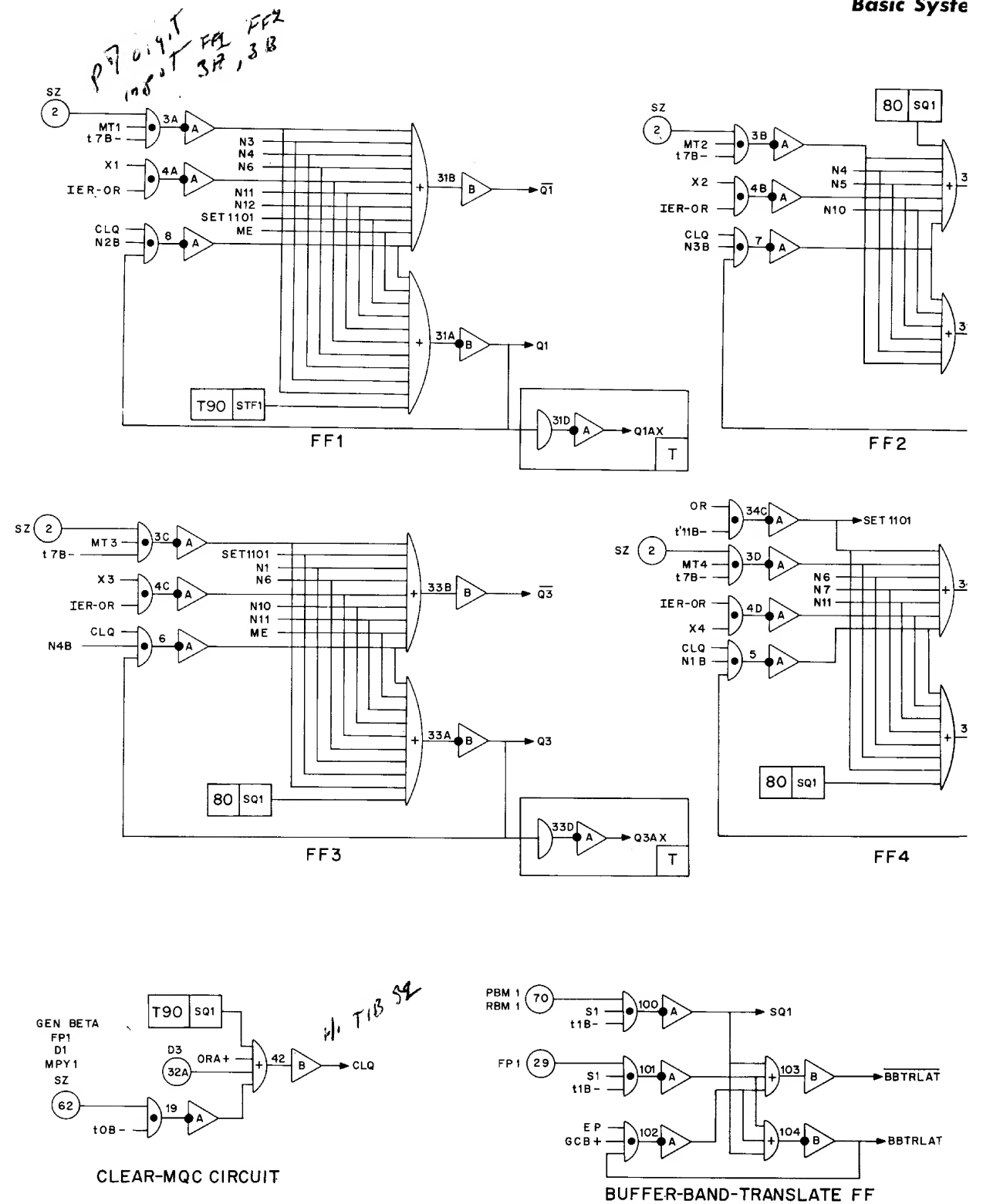
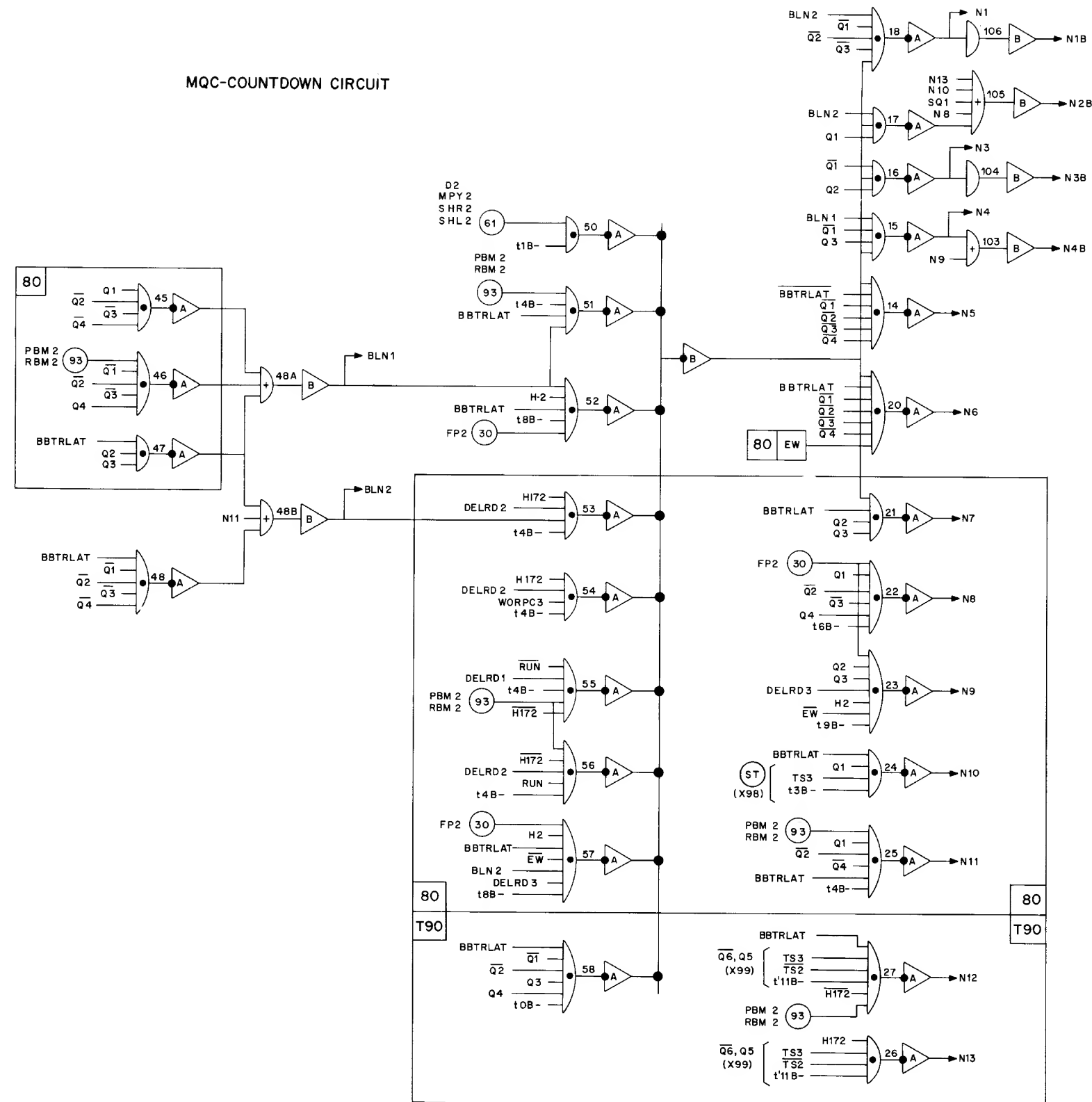


Basic System With Magnetic Tape

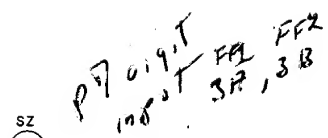


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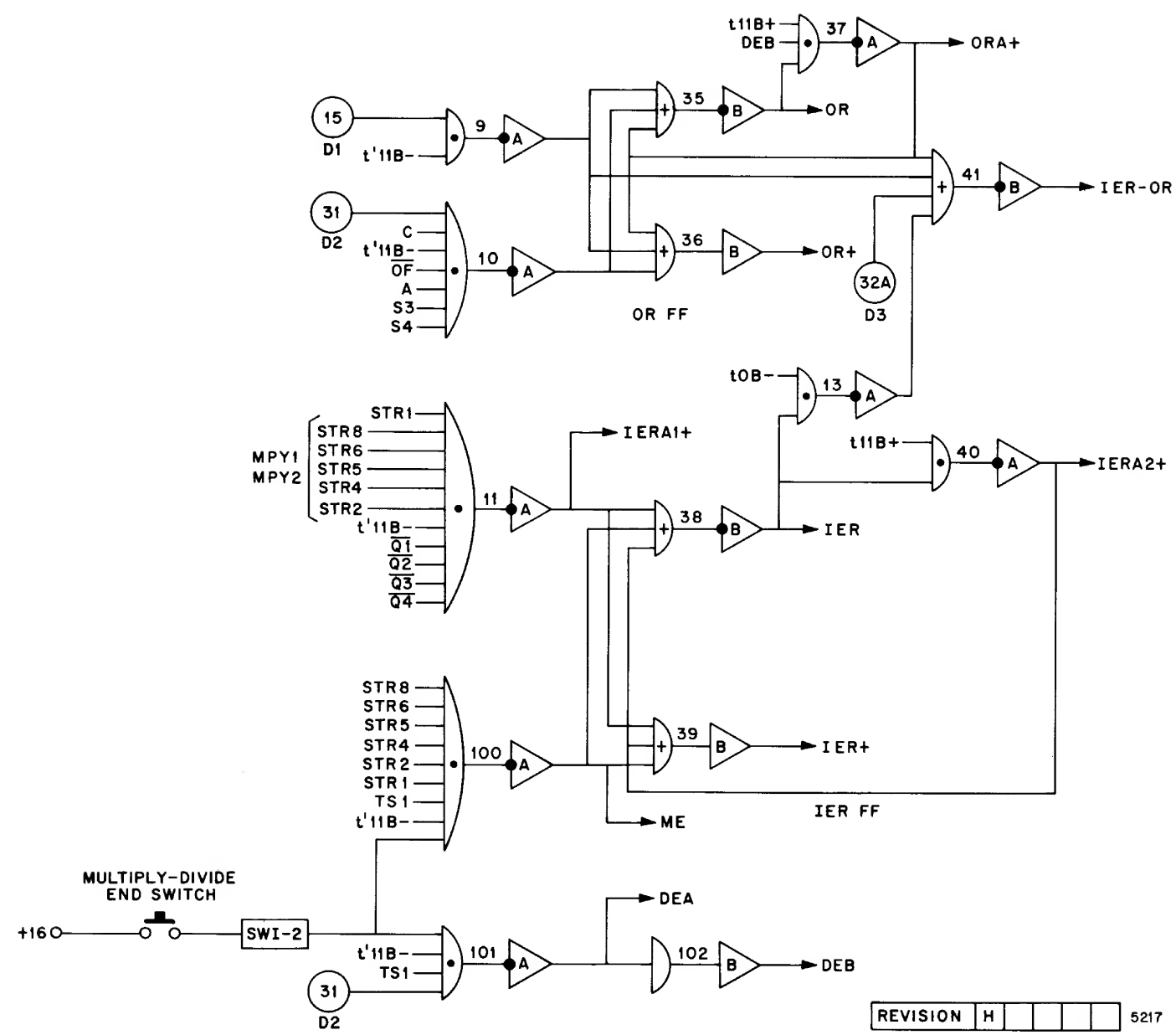
Basic System



2C-COUNTDOWN CIRCUIT

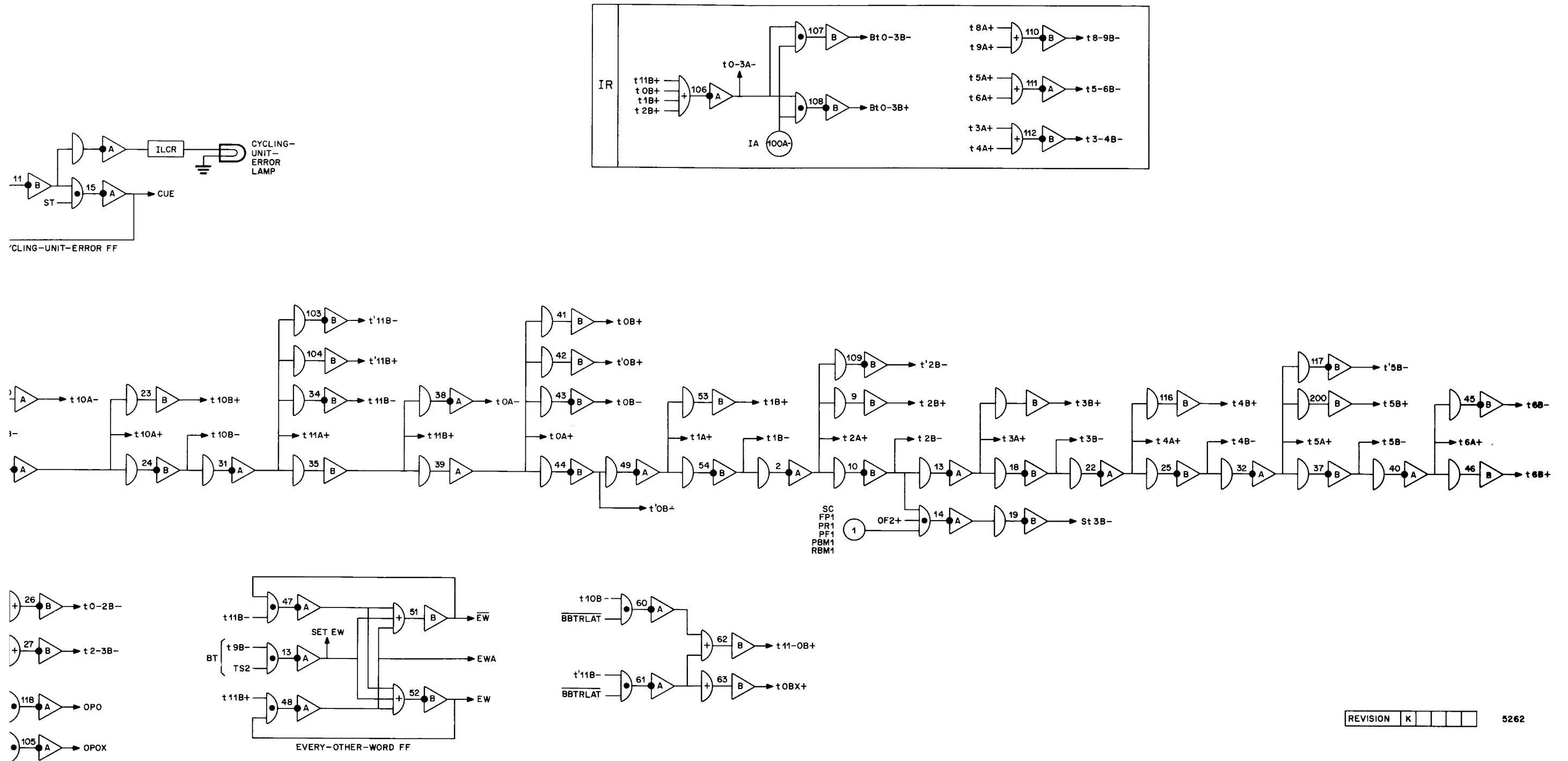


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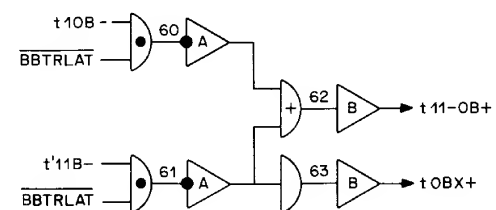
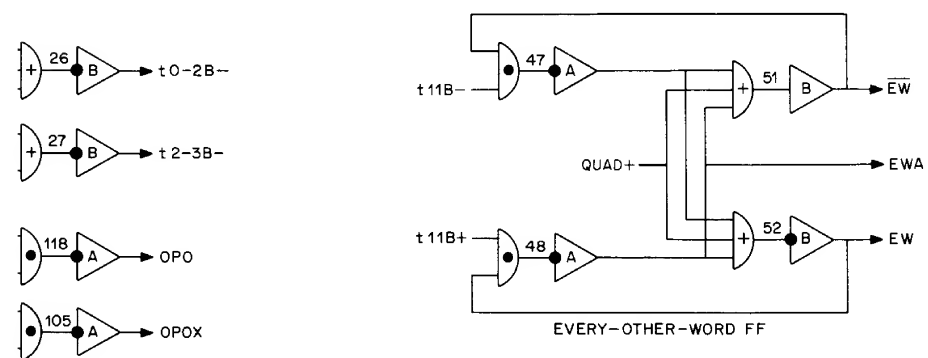
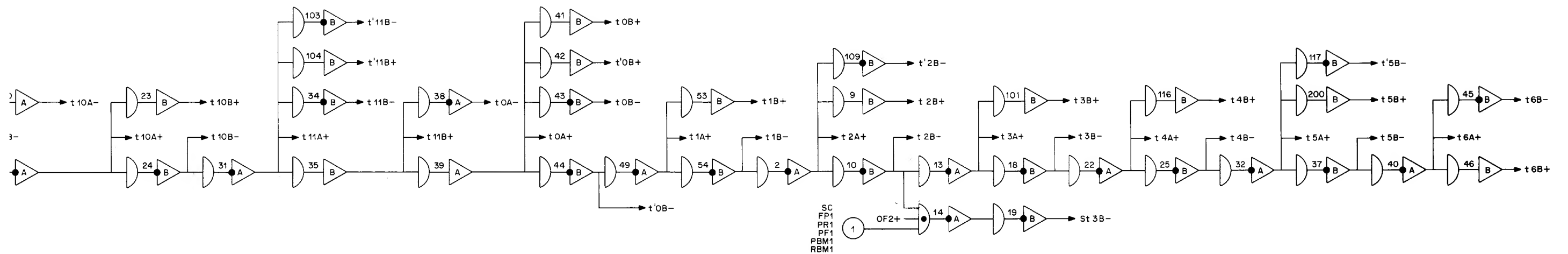
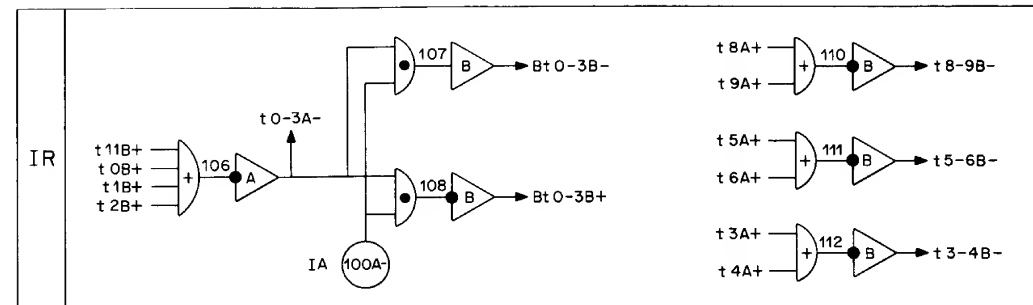
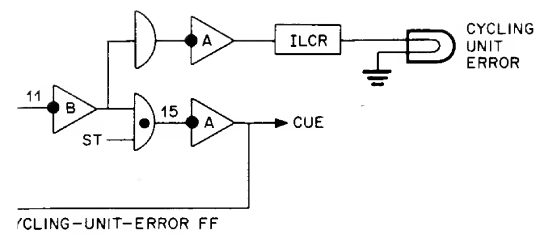
1-17A. IER-OR Flip-Flops





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1-18A. Cycling Unit (Model 131)

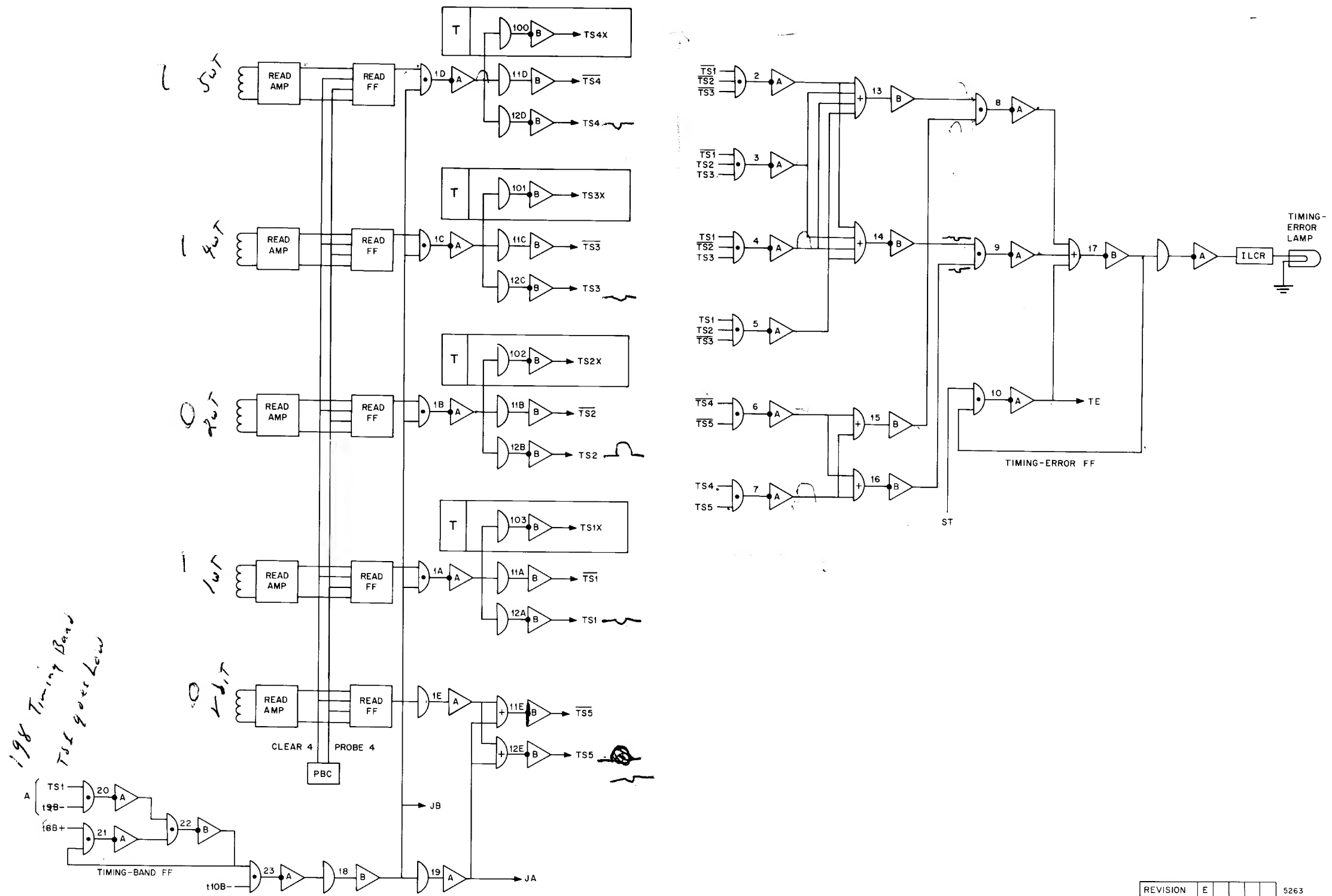


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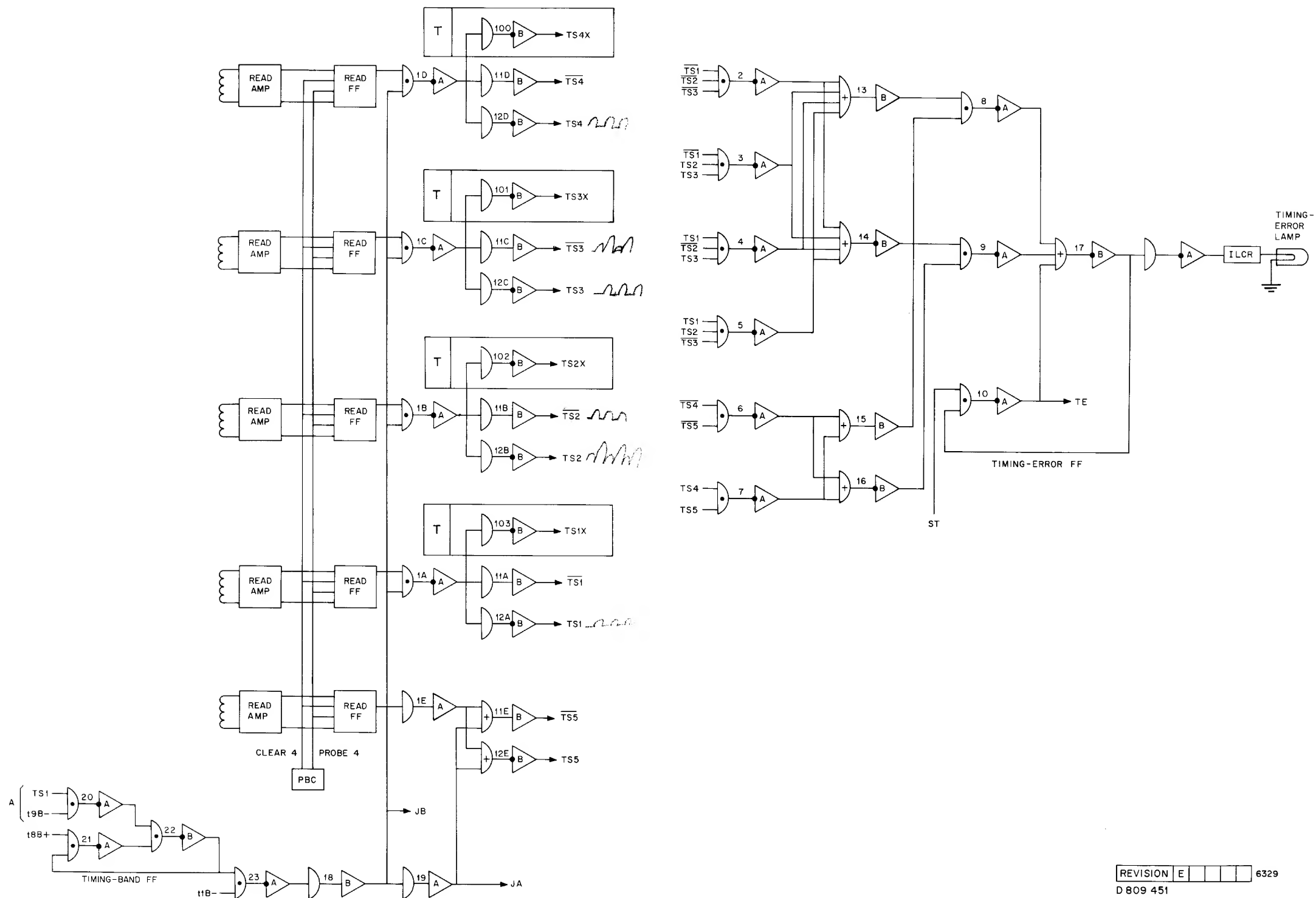
D809 452

1-18A. Cycling Unit (Model 130)
1-18B

Basic System With Magnetic Tape



1-19A. Timing-Band Read Circuits (Model 131)

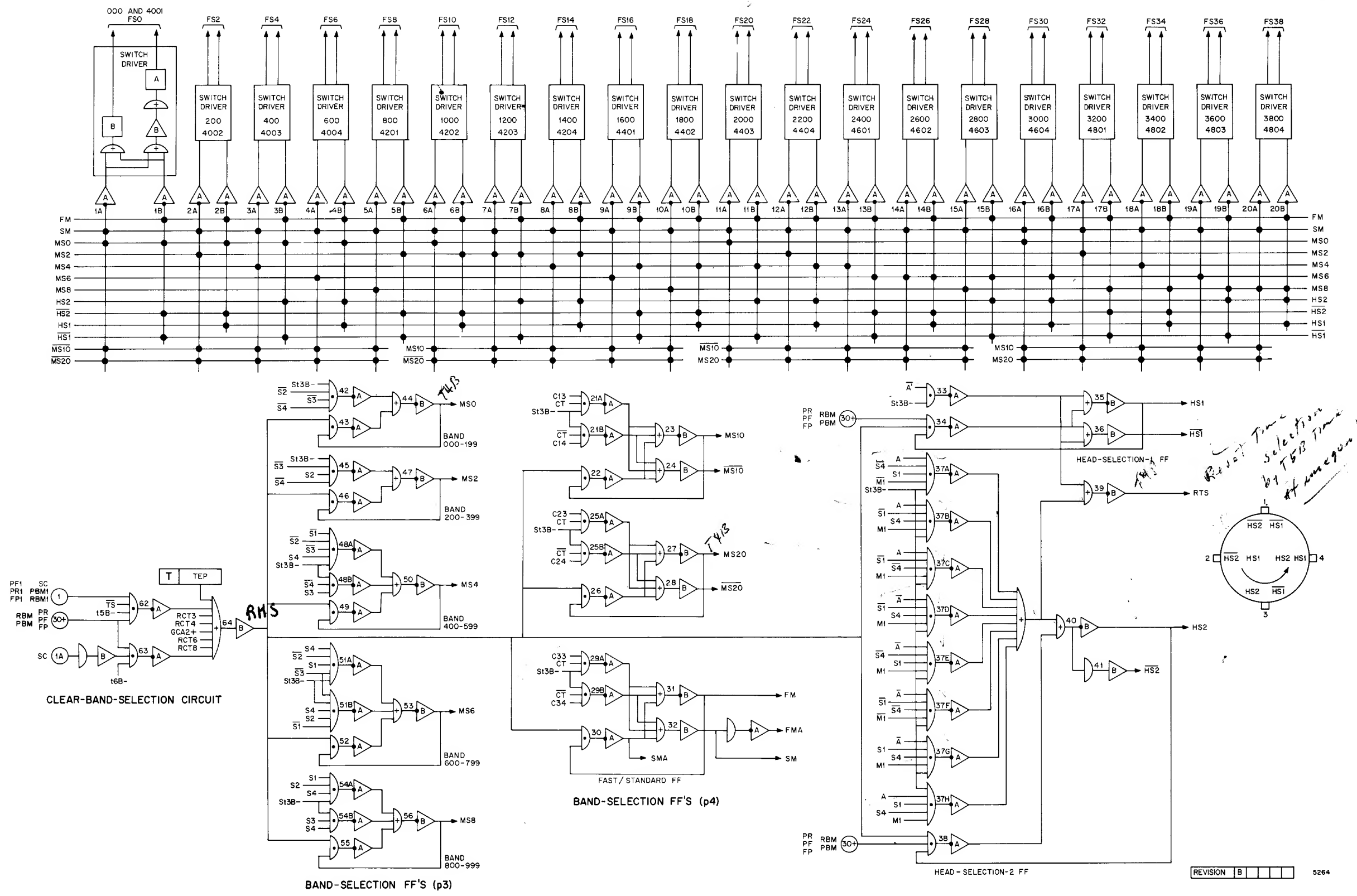


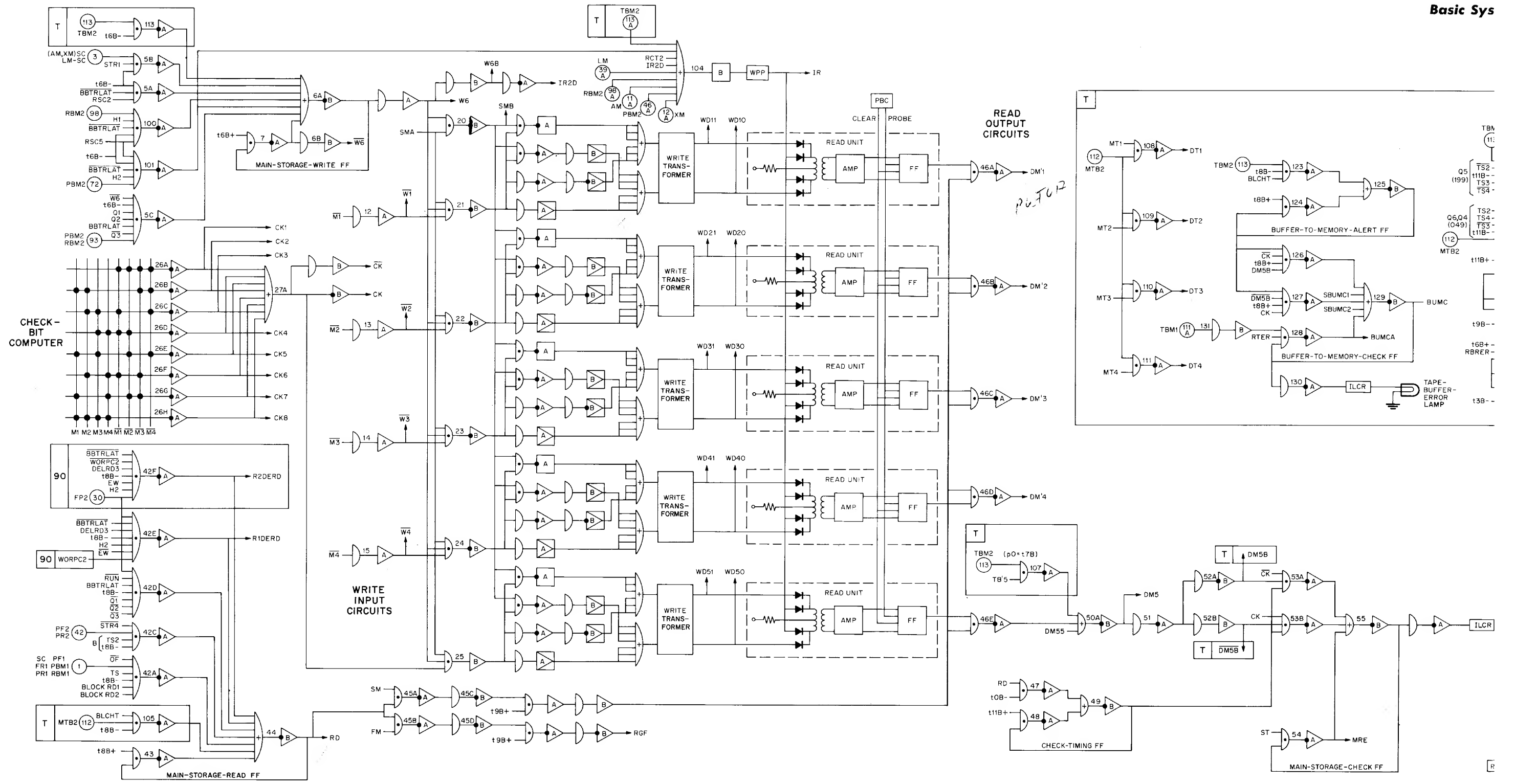
1-19A. Timing-Band Read Circuits (Model 130)

1-19B

REVISION	E				6329
D	809	451			

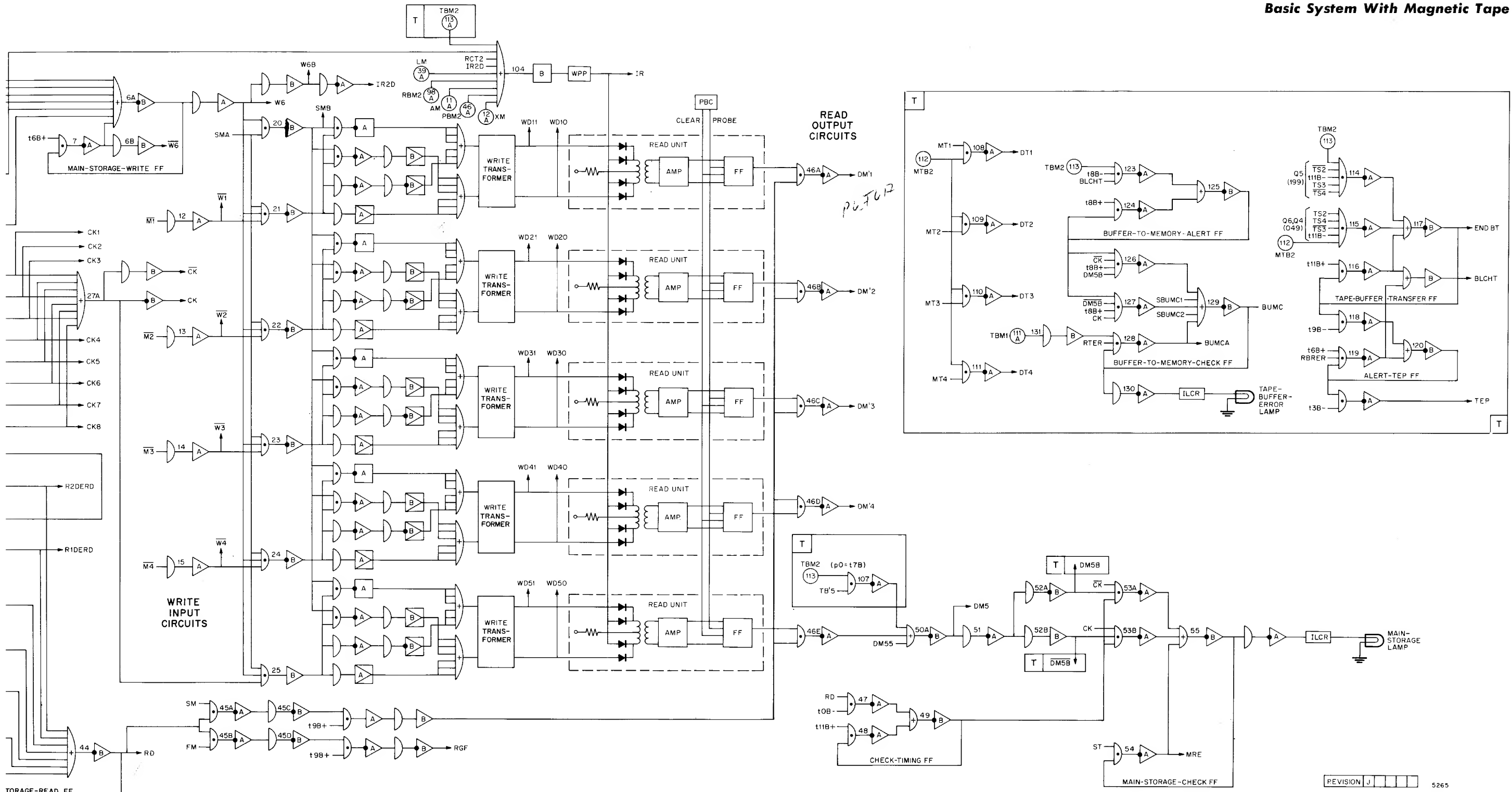
Basic System With Magnetic Tape



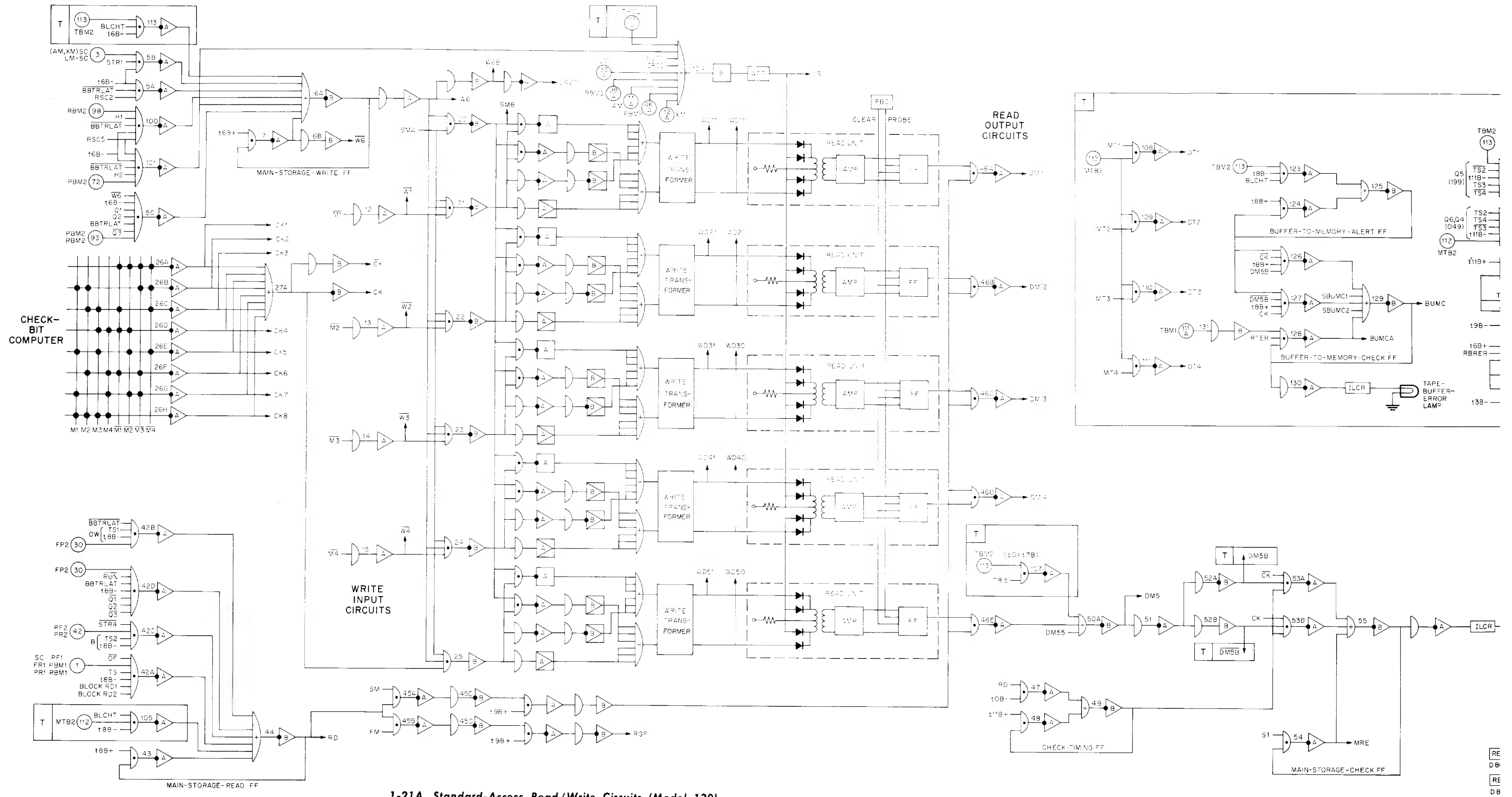


1-21A. Standard-Access Read/Write Circuits (Model 131)

Basic System With Magnetic Tape



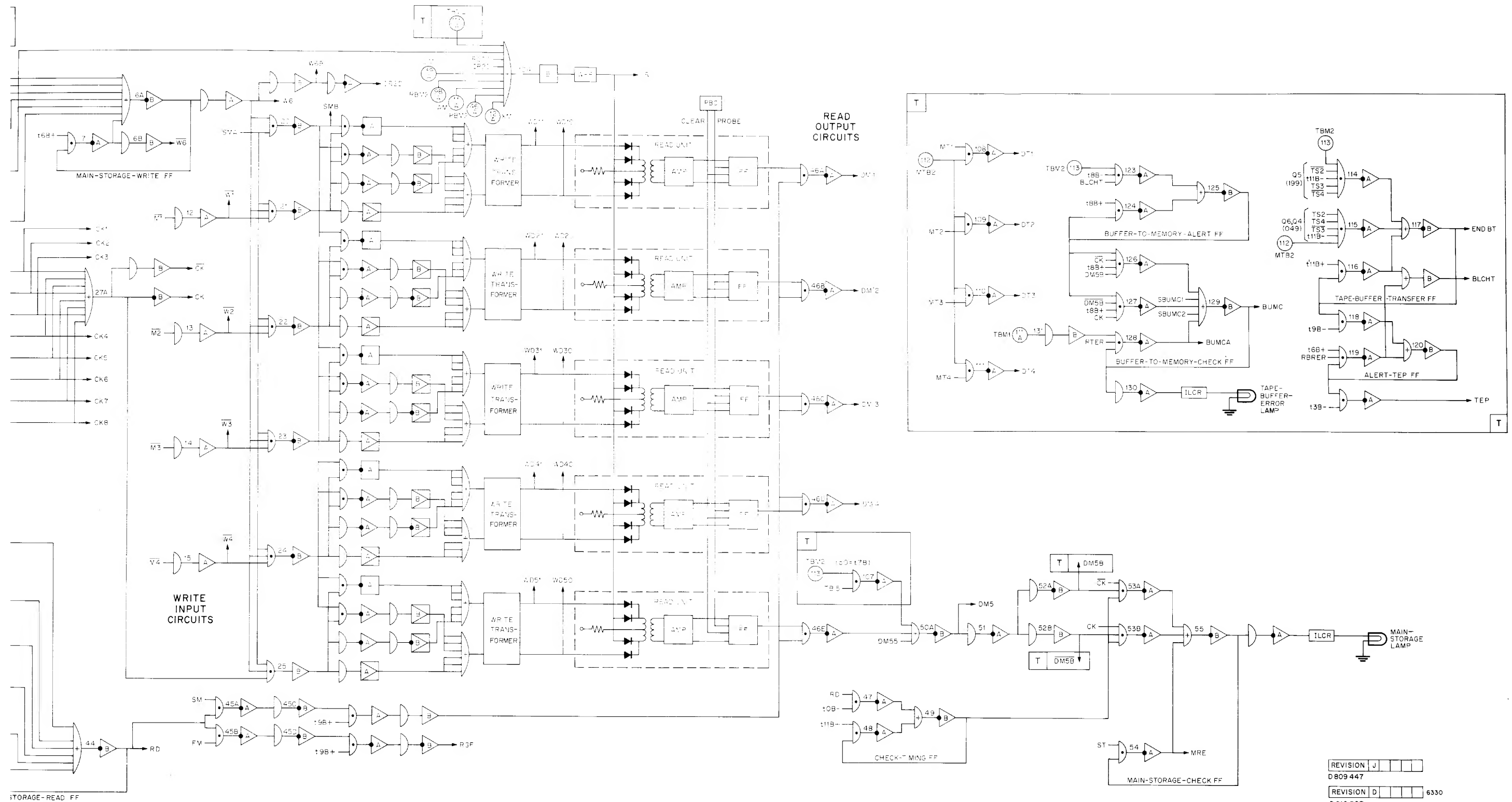
1-21A. Standard-Access Read/Write Circuits (Model 131)



1-21A. Standard-Access Read/Write Circuits (Model 130)

1-21B

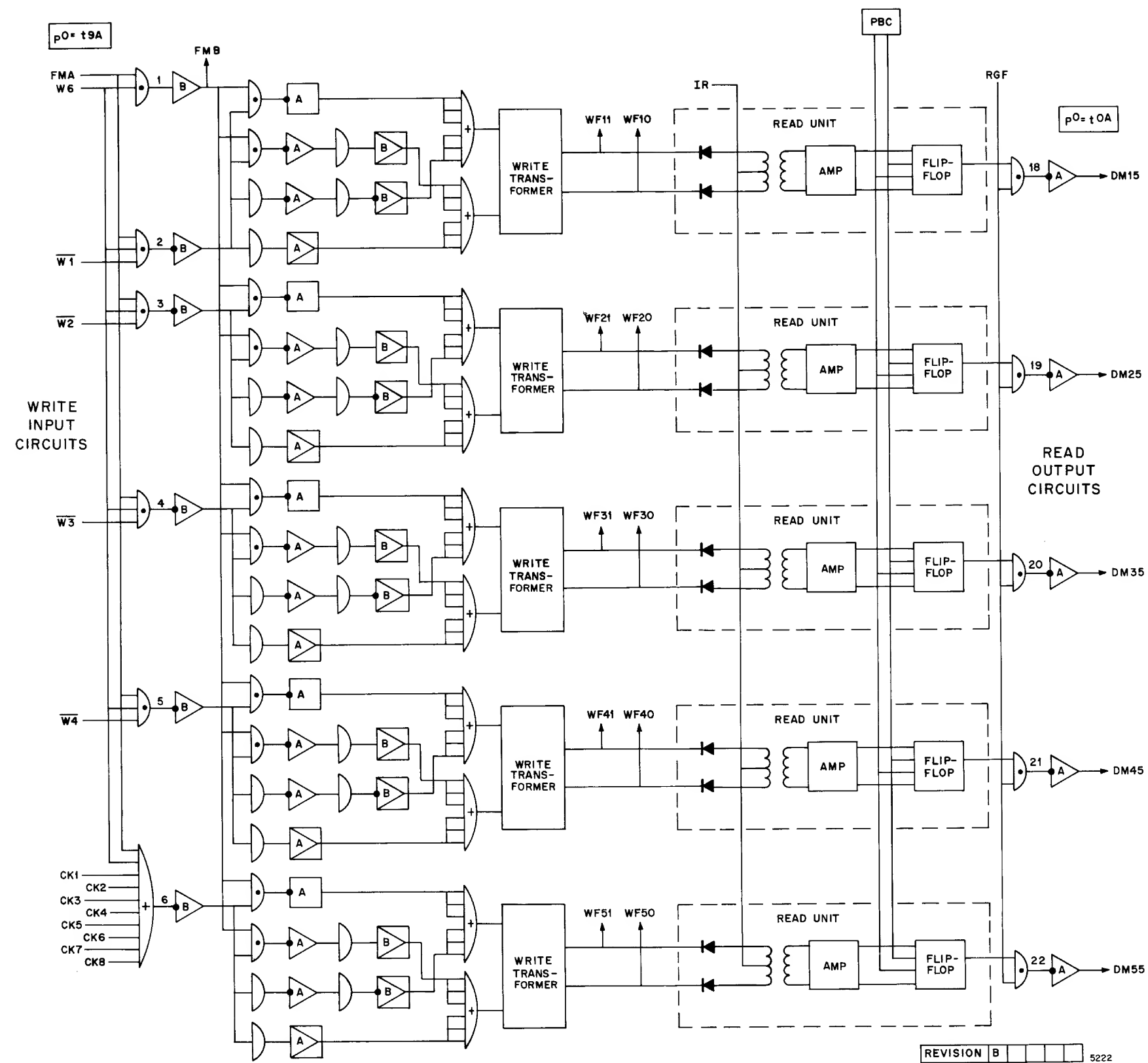
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DB
RE
DB



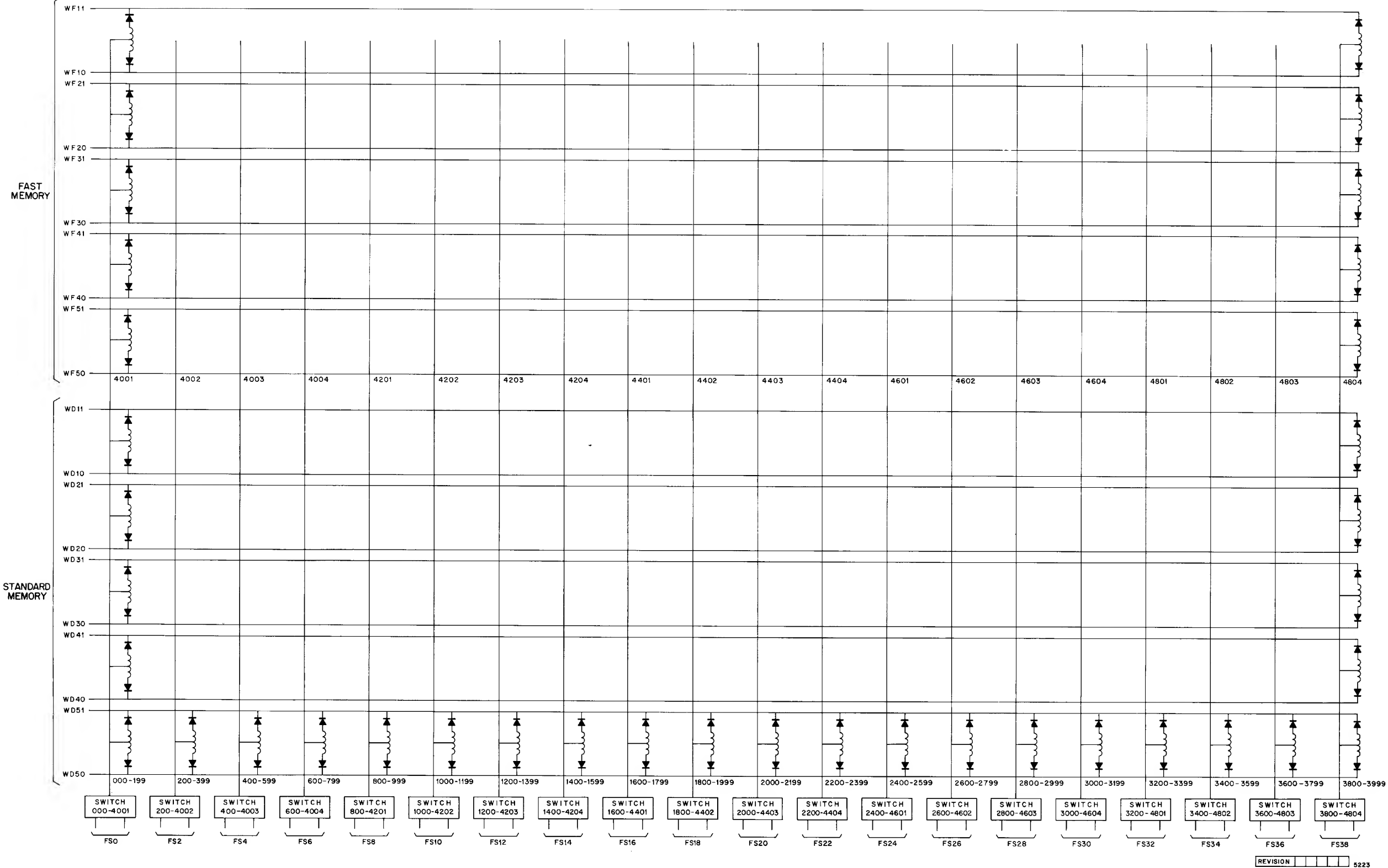
1-21A. Standard-Access Read/Write Circuits (Model 130)

7-21B

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0809447
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0810807 6330

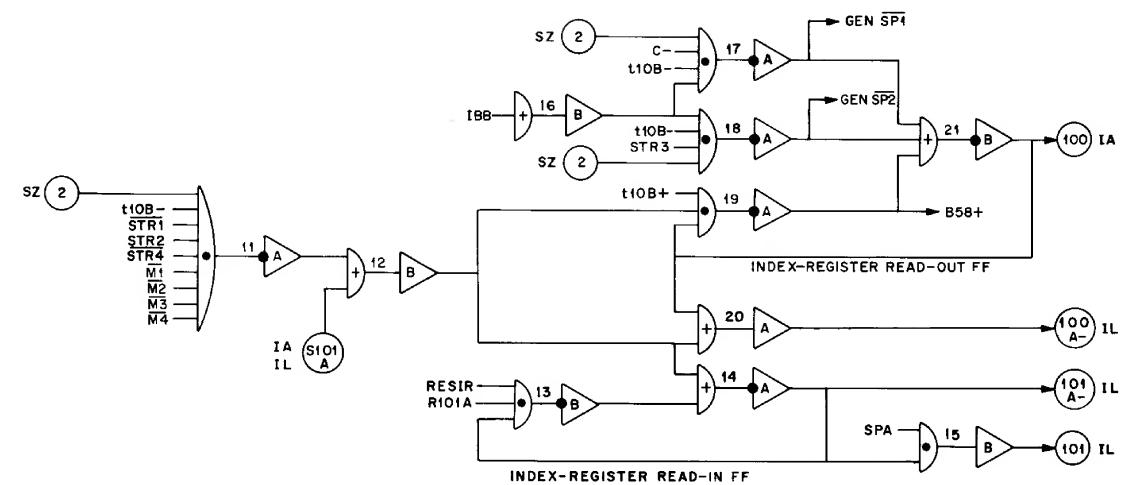
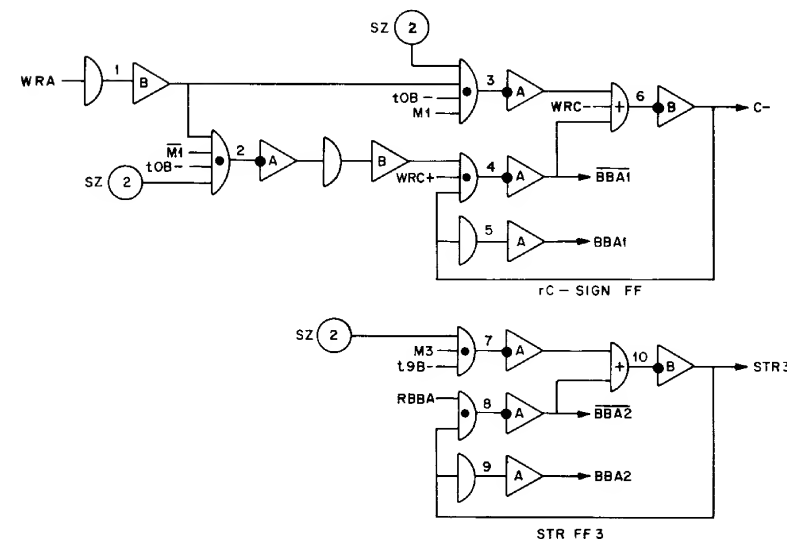


1-22A. Fast-Access Read/Write Circuits

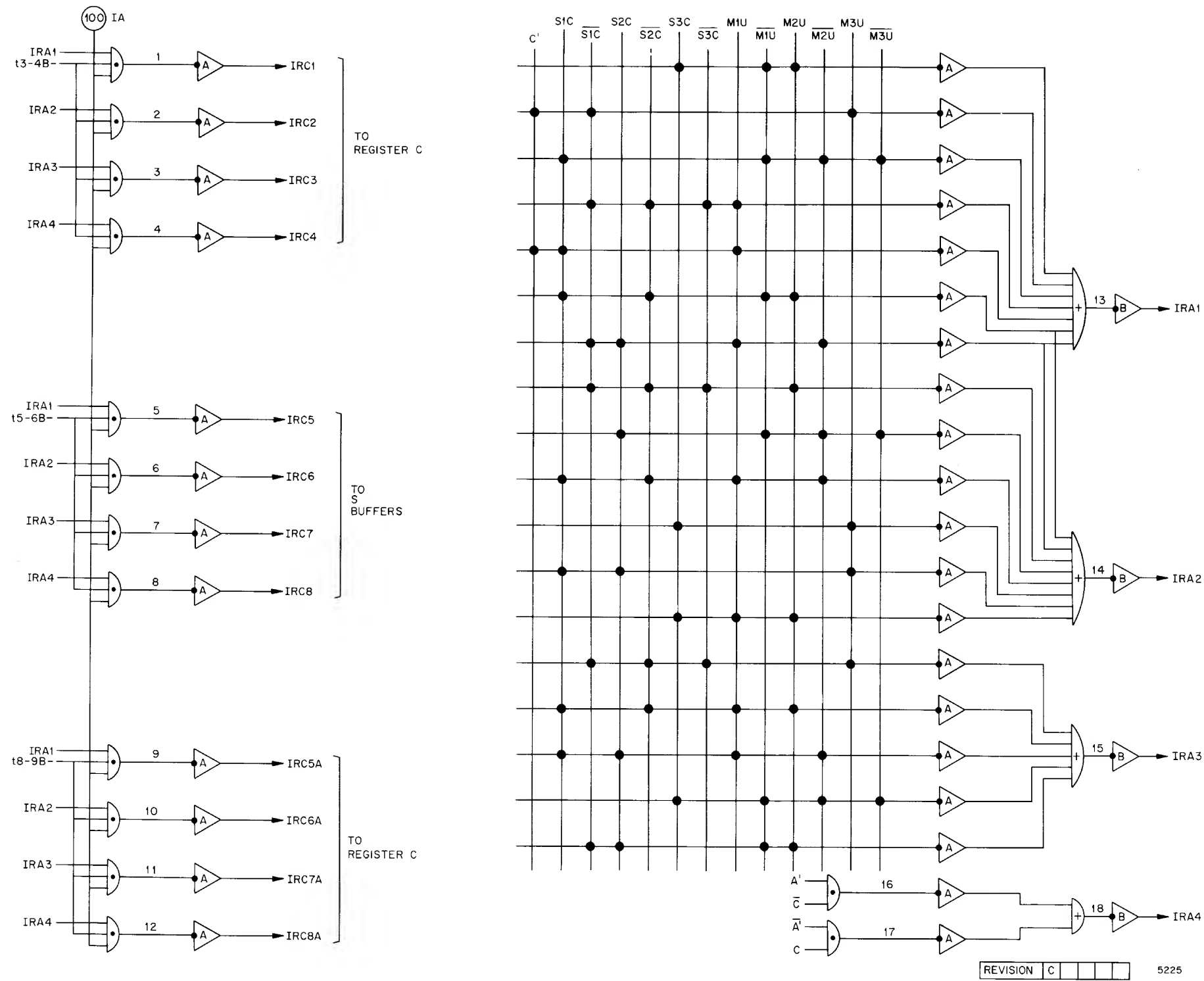


1-23A. Memory Switch

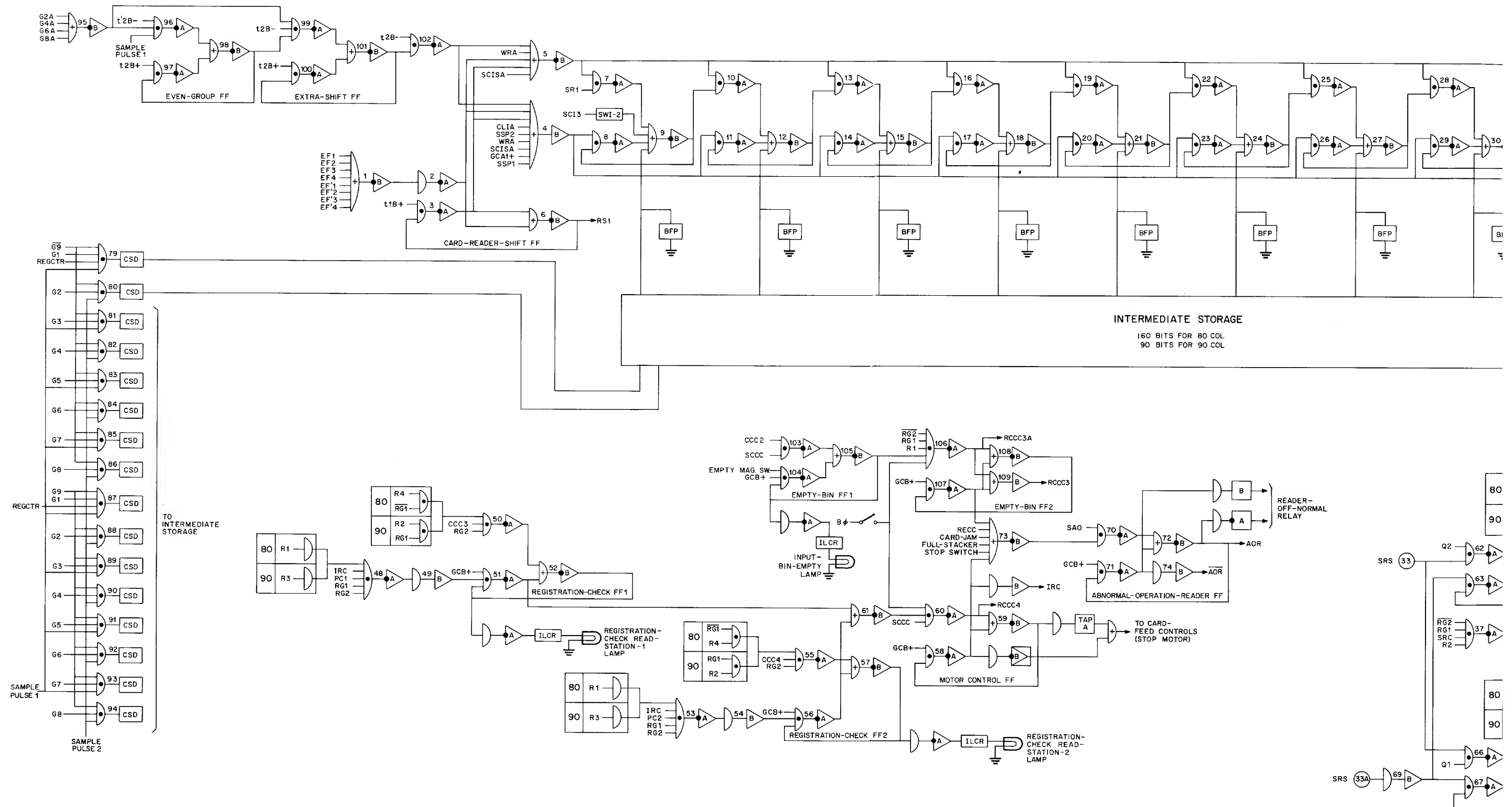
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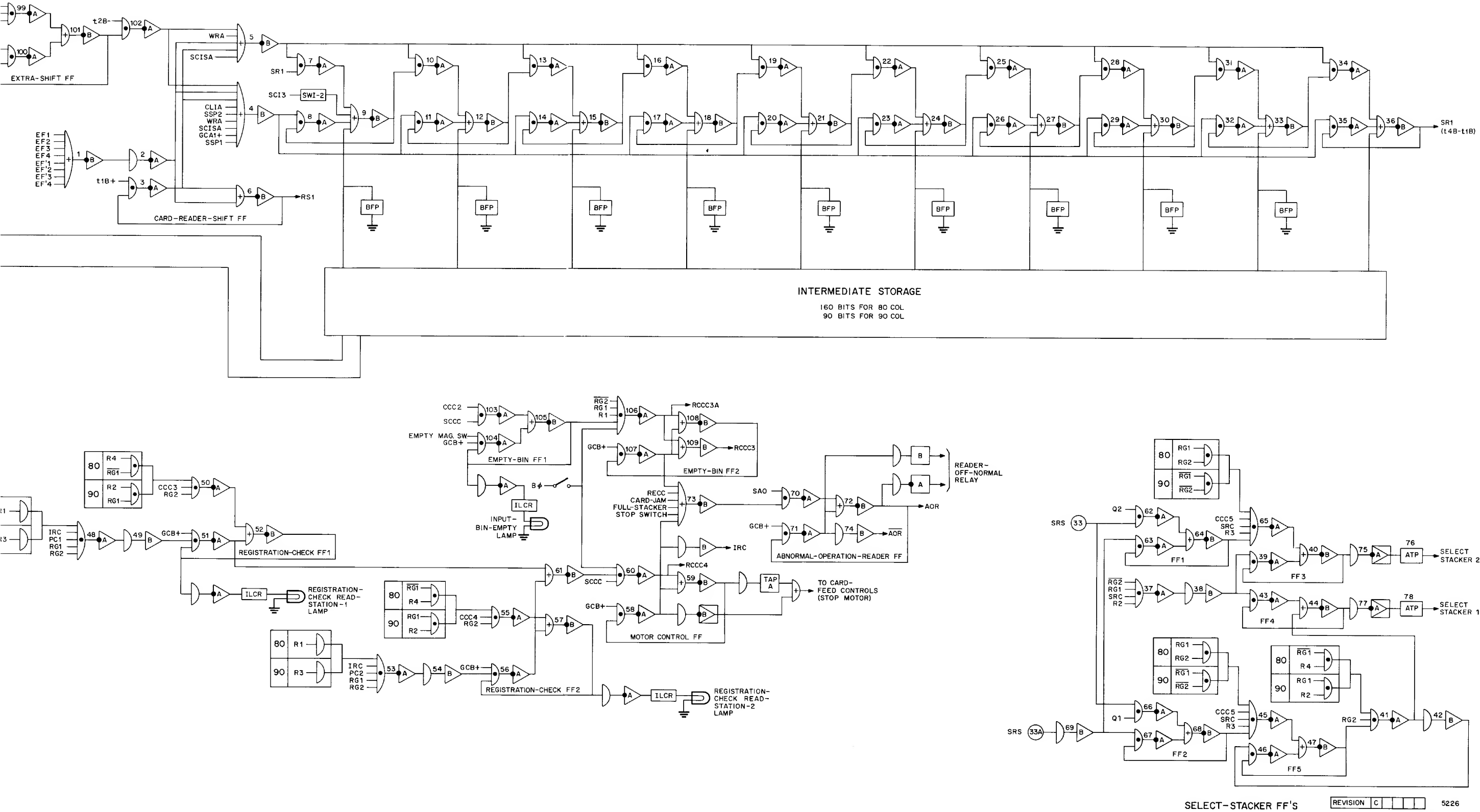
1-51

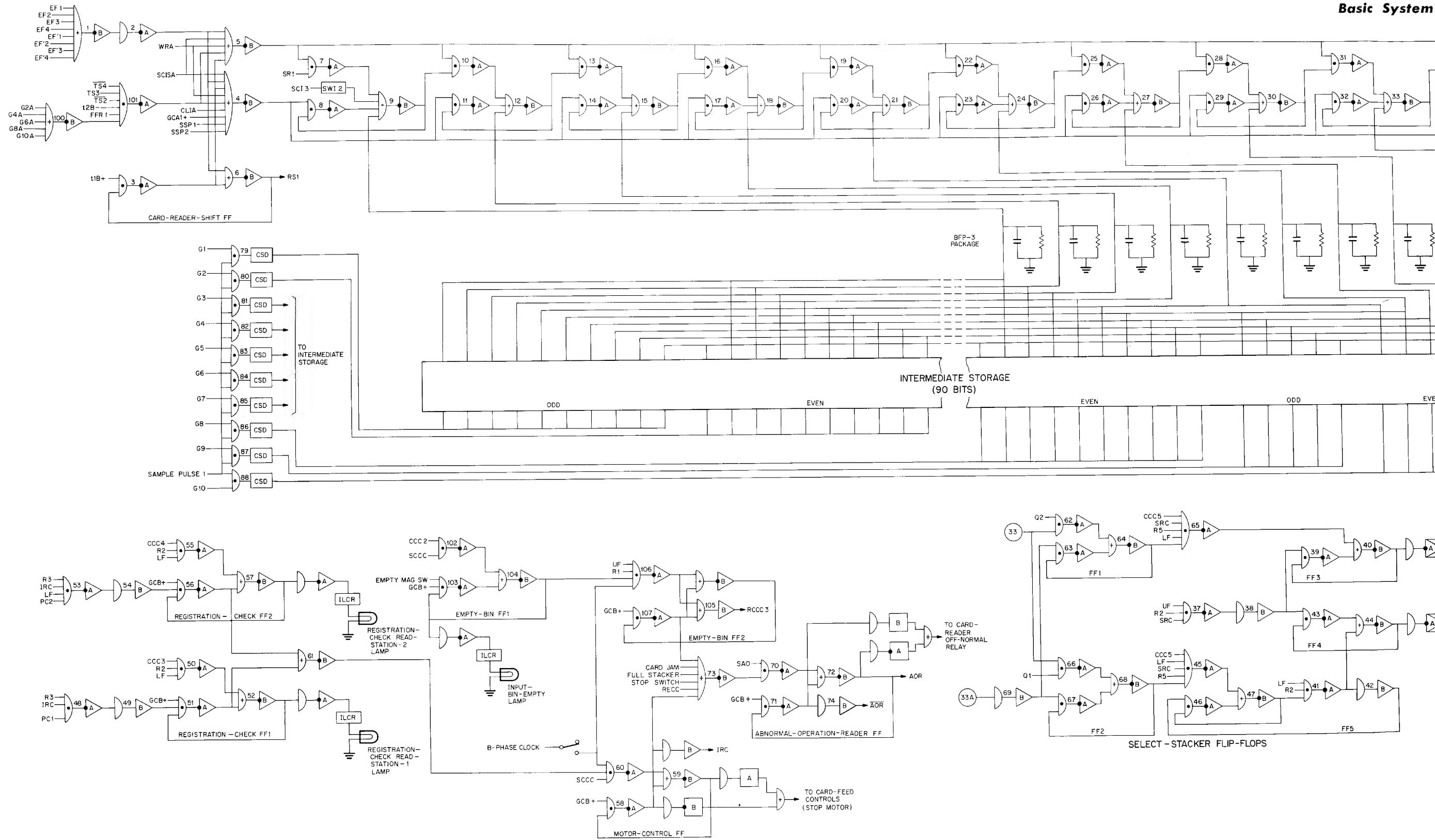


1-25A. Index-Register Adder



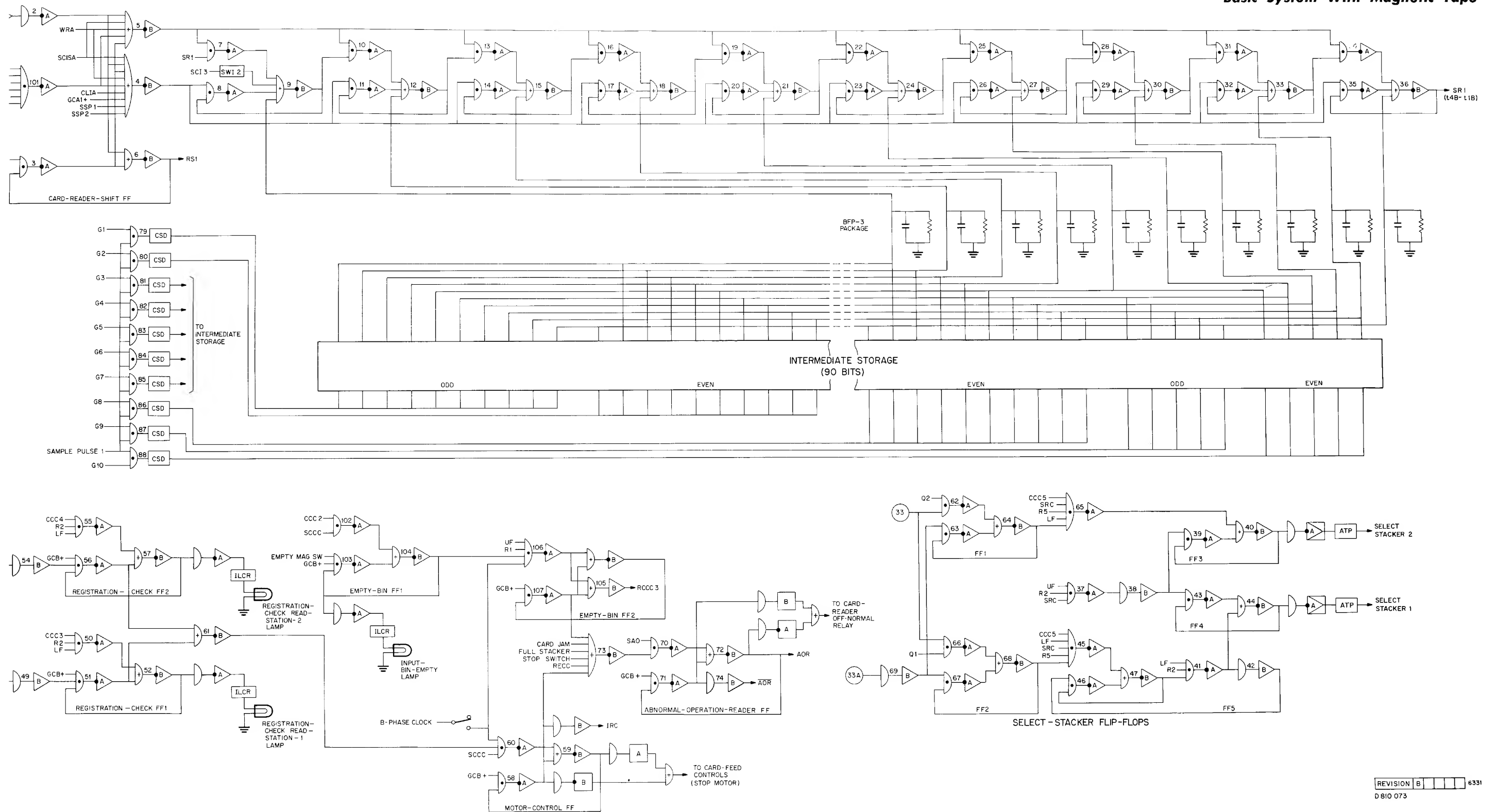
1-26A. Card-Reader Shift Register (Model 131)





1-26A. Card-Reader Shift Register (Model 130)

Basic System With Magnetic Tape



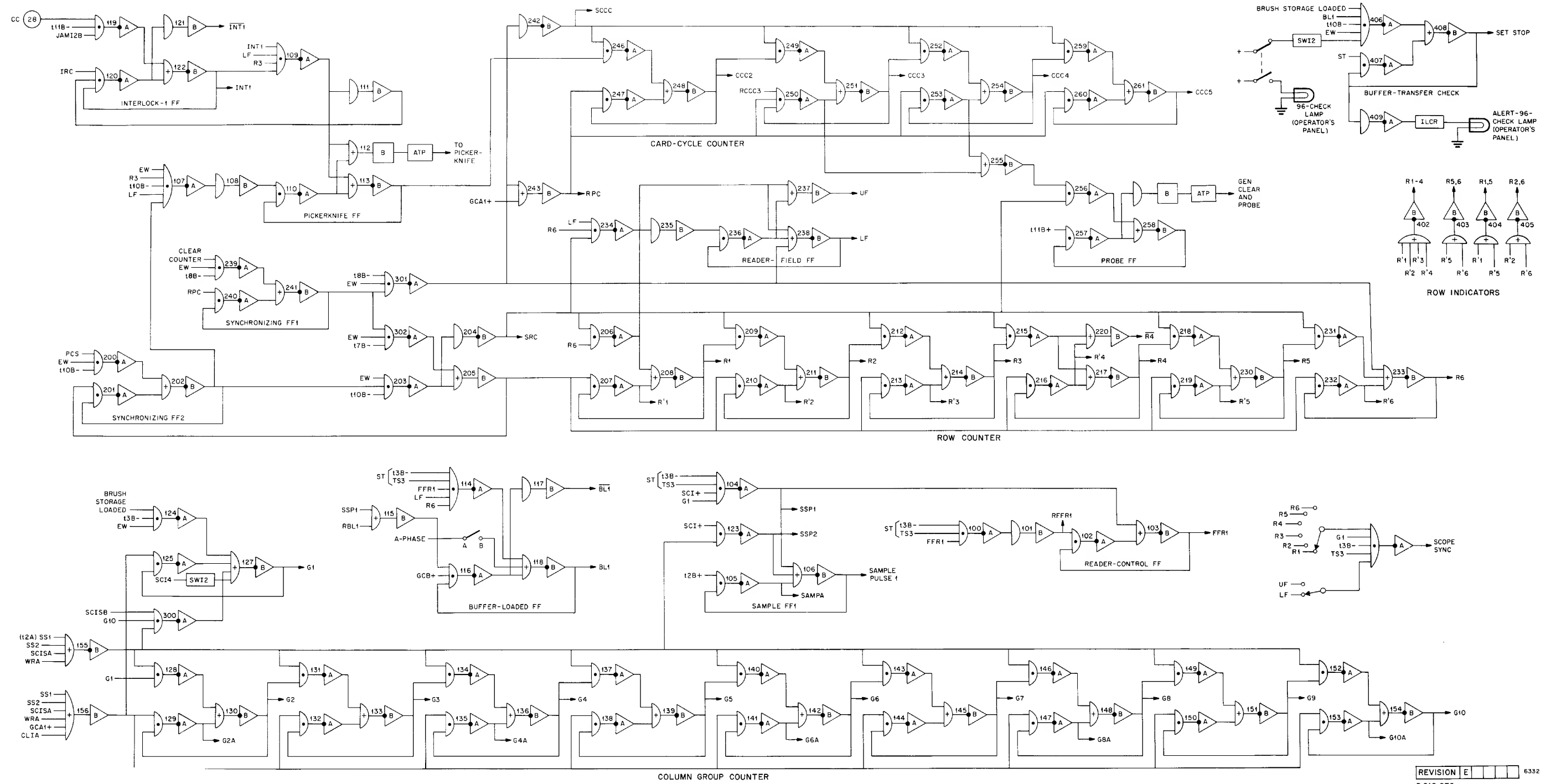
1-26A. Card-Reader Shift Register (Model 130)

1-26A

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D 810 073

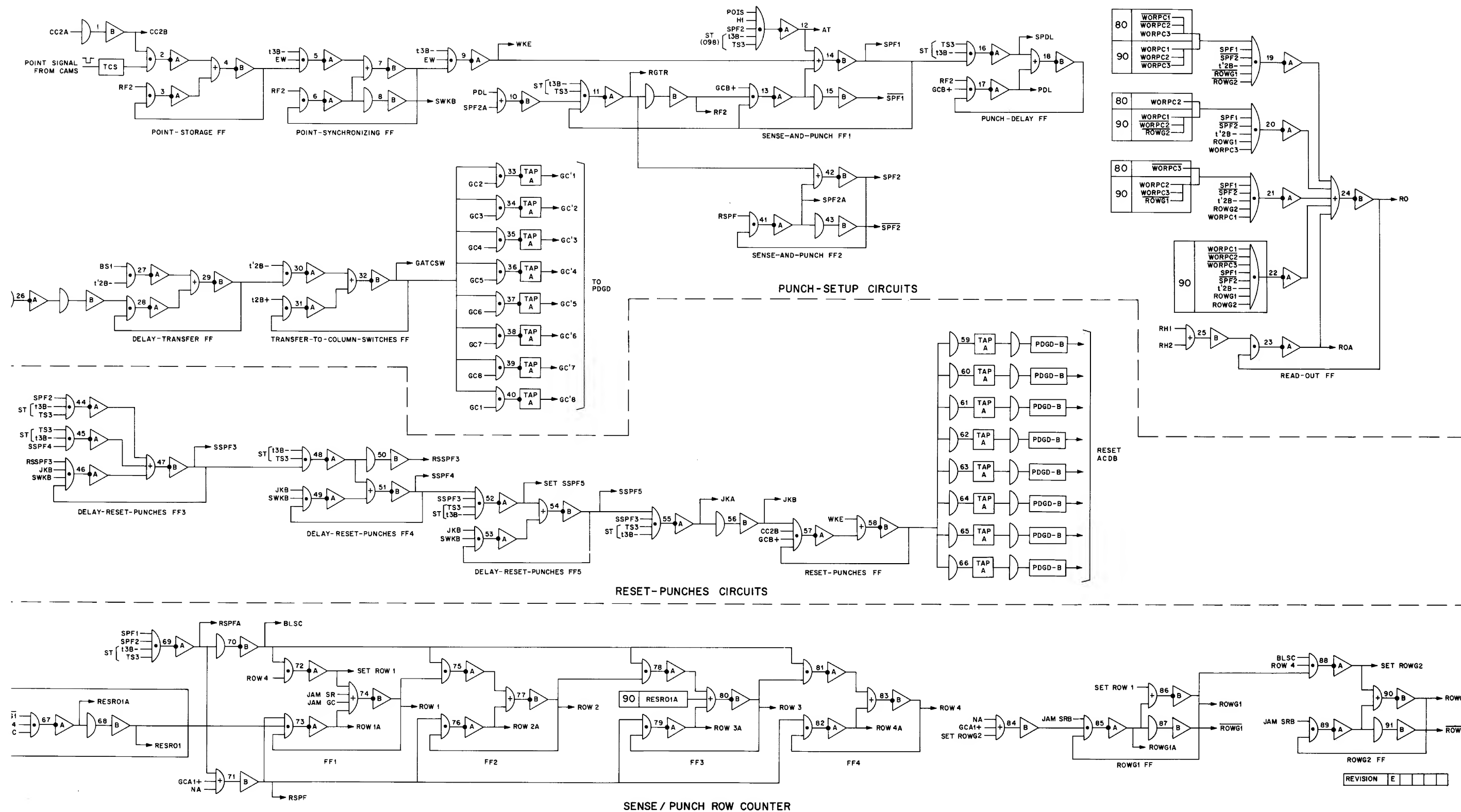


Basic System With Magnetic Tape



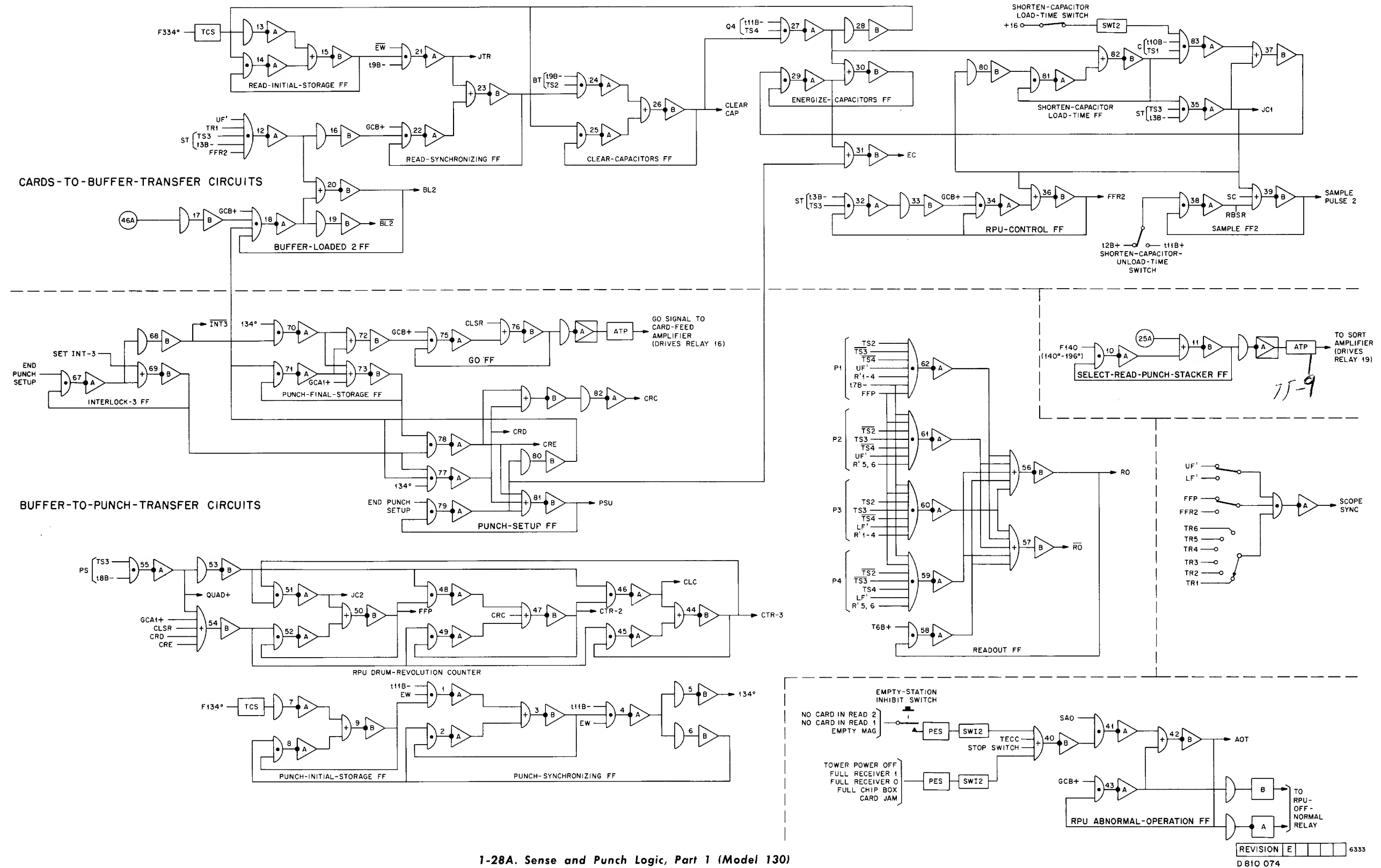
1-27A. Card-Reader Control (Model 130)

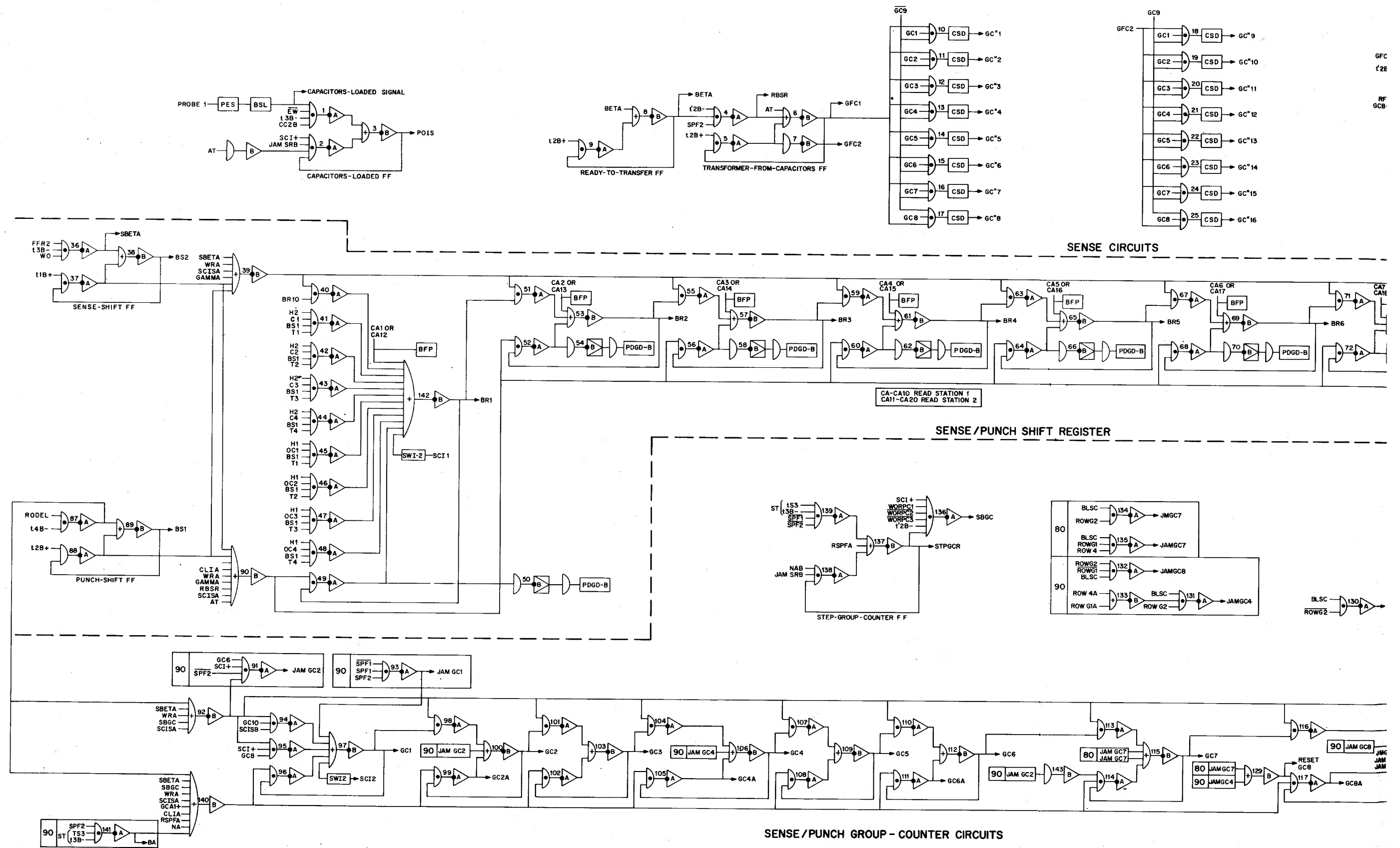
1-27B



1-28A. Sense and Punch Logic, Part 1 (Model 131)

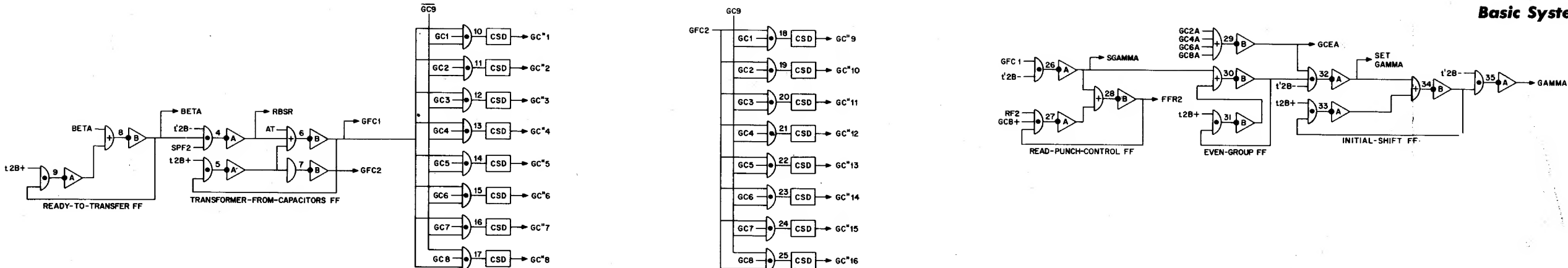
Basic System With Magnetic Tape



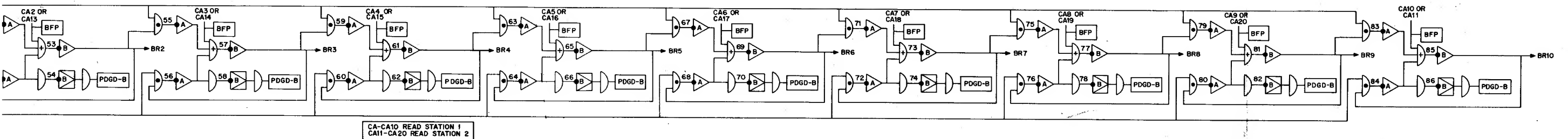


1-29A. Sense and Punch Logic, Part 2 (Model 131)

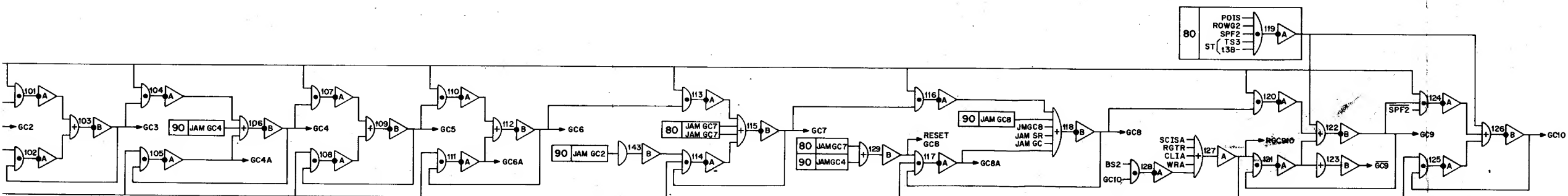
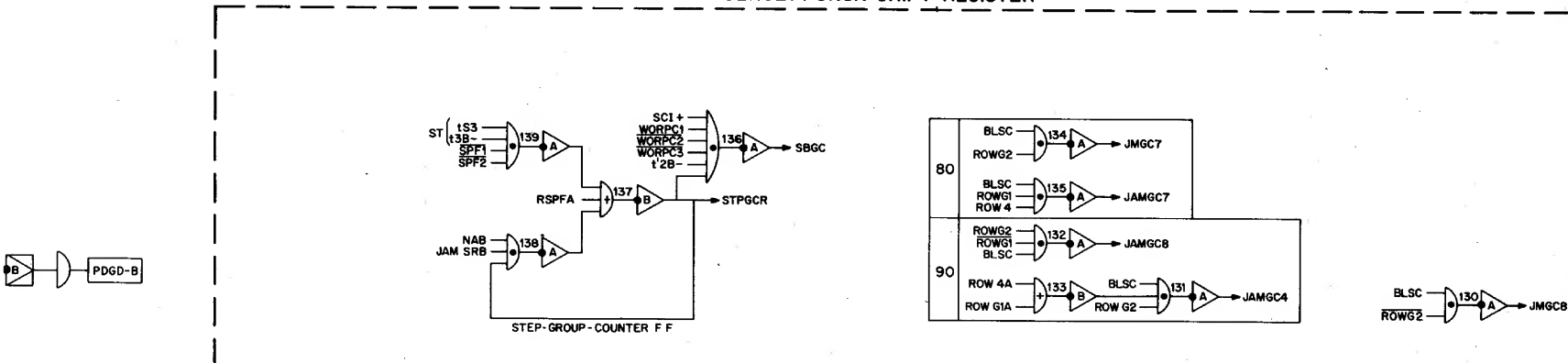
Basic System With Magnetic Tape



SENSE CIRCUITS

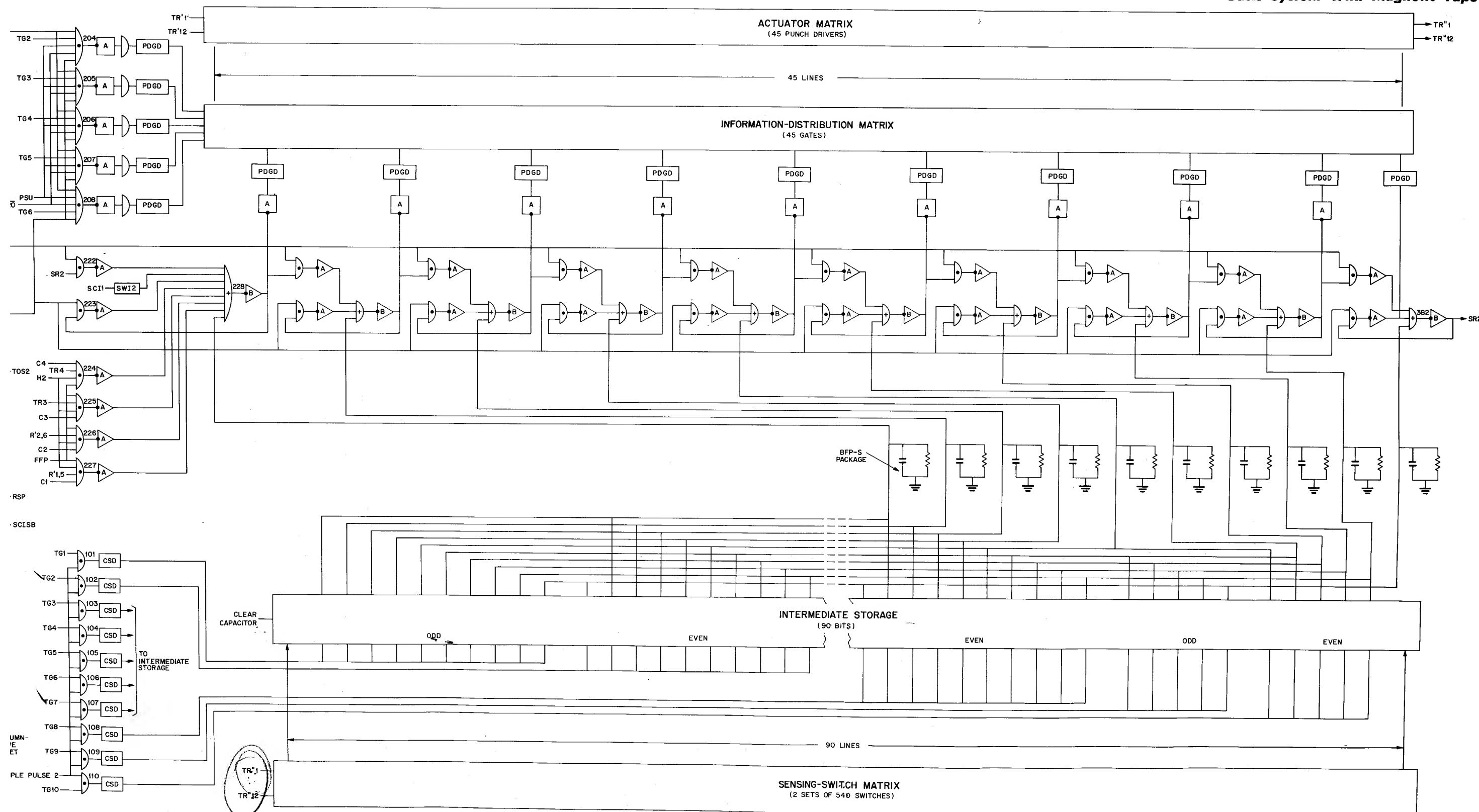


SENSE/PUNCH SHIFT REGISTER



SENSE /PUNCH GROUP - COUNTER CIRCUITS

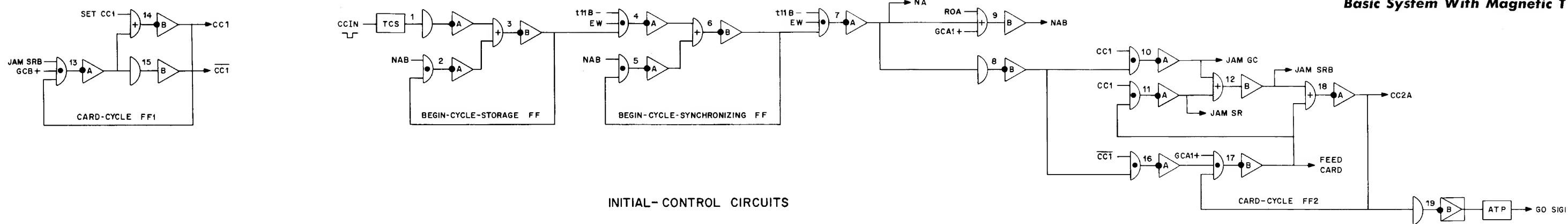
Basic System With Magnetic Tape



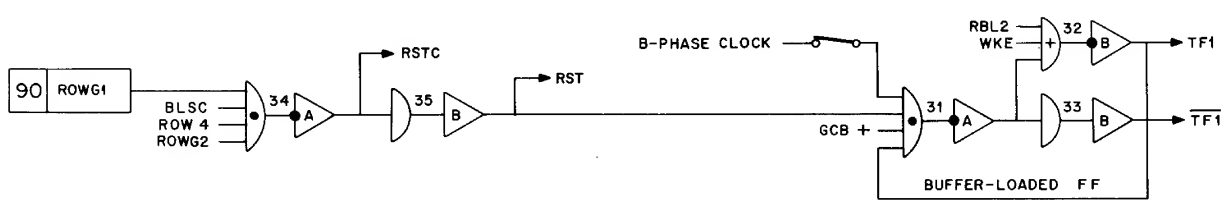
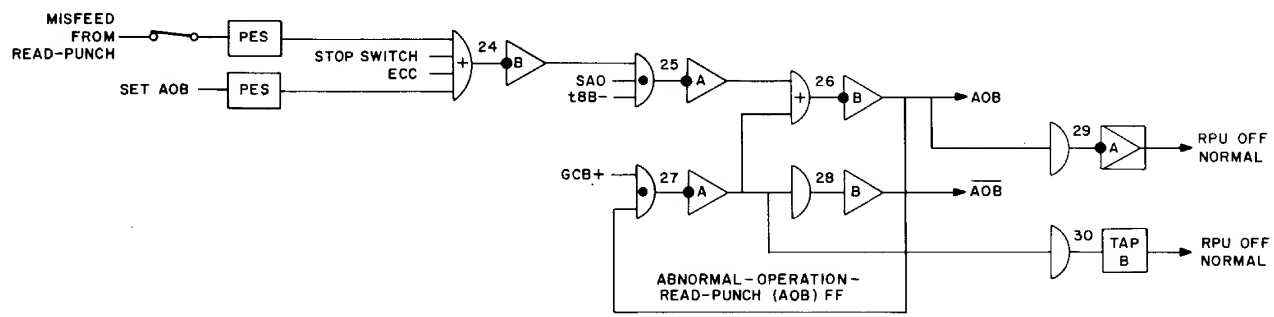
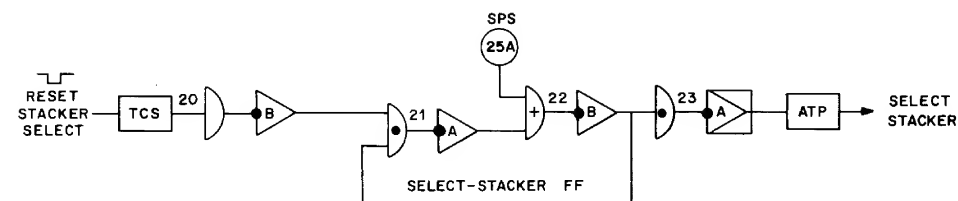
1-29A: Sense and Punch Logic, Part 2 (Model 130)

1-29B

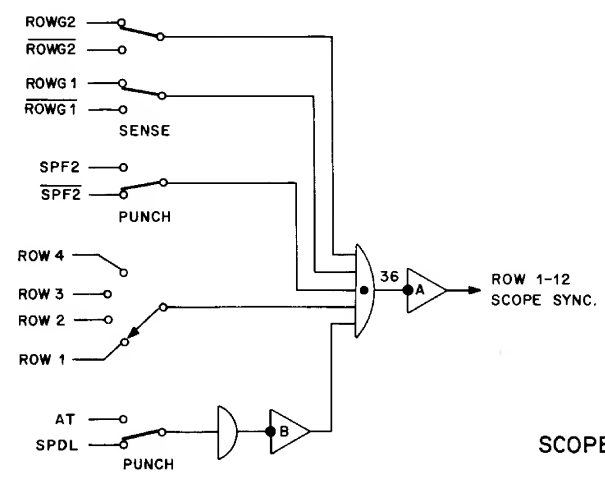
REVISION B 6334
D810 075



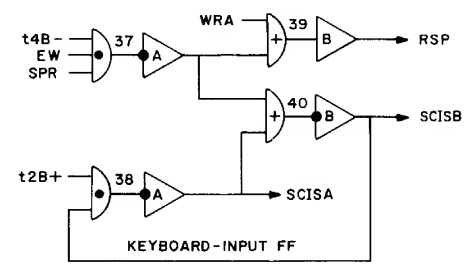
INITIAL-CONTROL CIRCUITS



END-CARD-CYCLE CIRCUIT

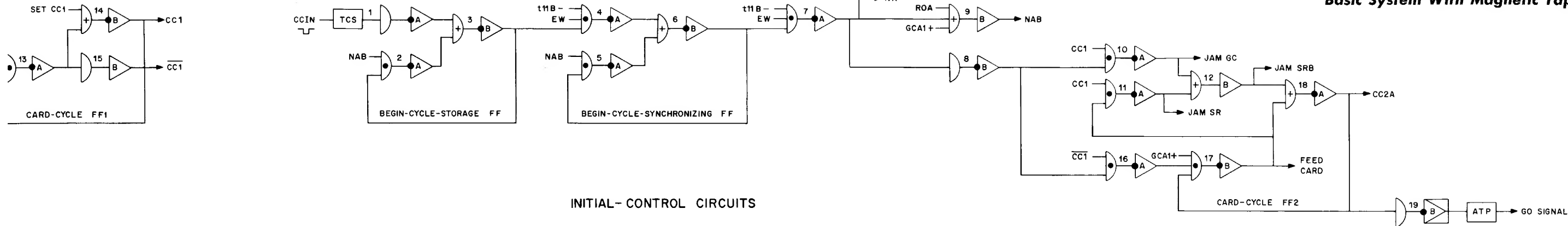


SCOPE SYNCHRONIZING CIRCUIT

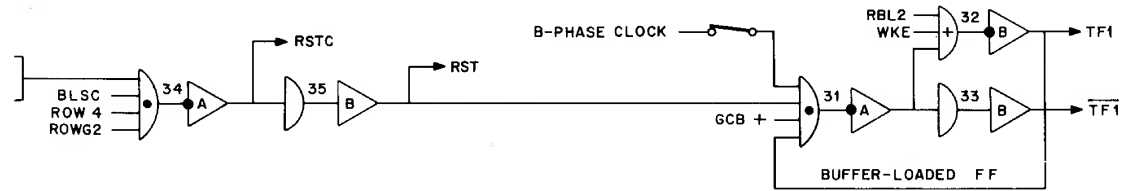
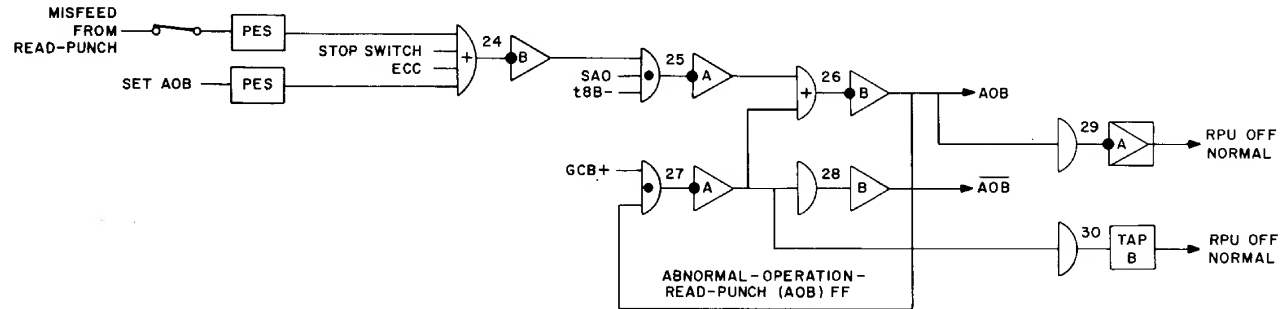
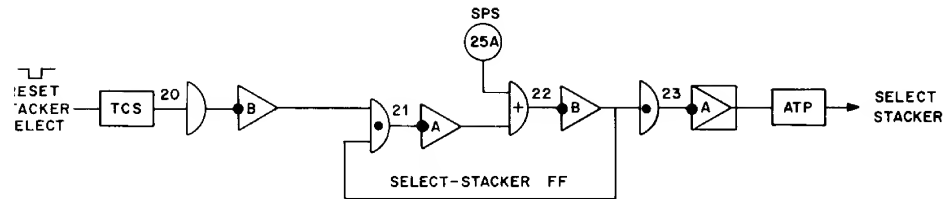


REVISION D

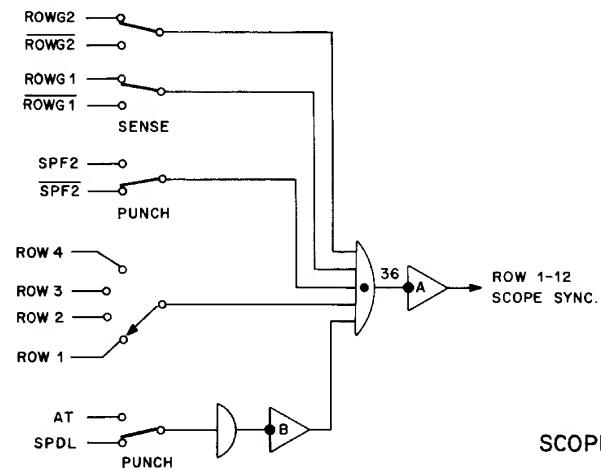
Basic System With Magnetic Tape



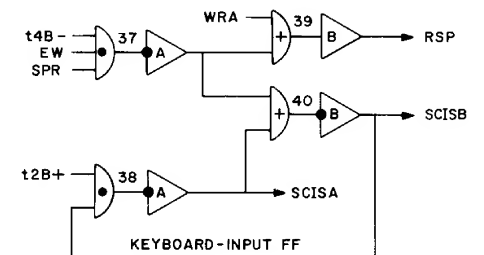
INITIAL-CONTROL CIRCUITS



END-CARD-CYCLE CIRCUIT

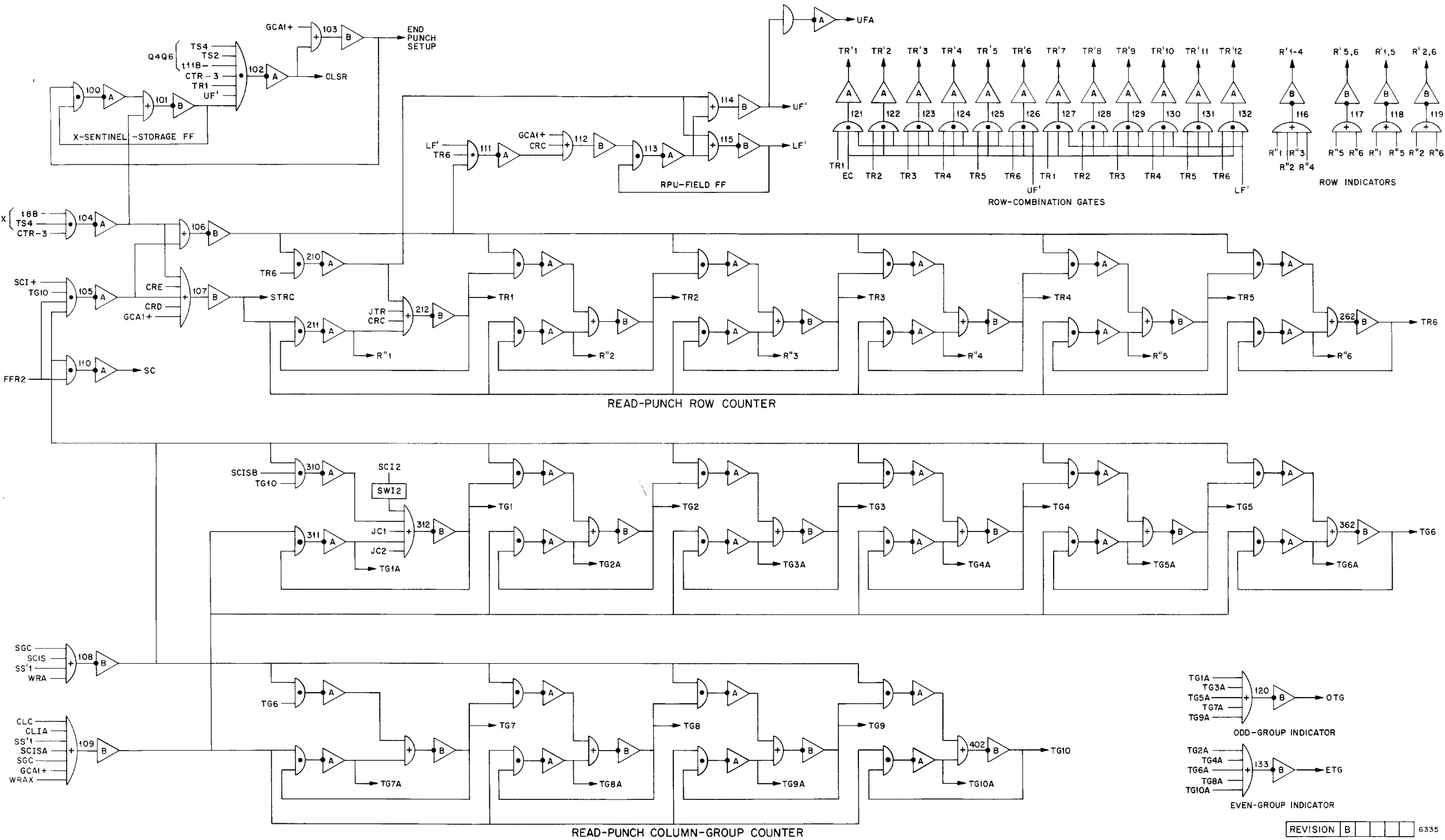


SCOPE SYNCHRONIZING CIRCUIT



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5230

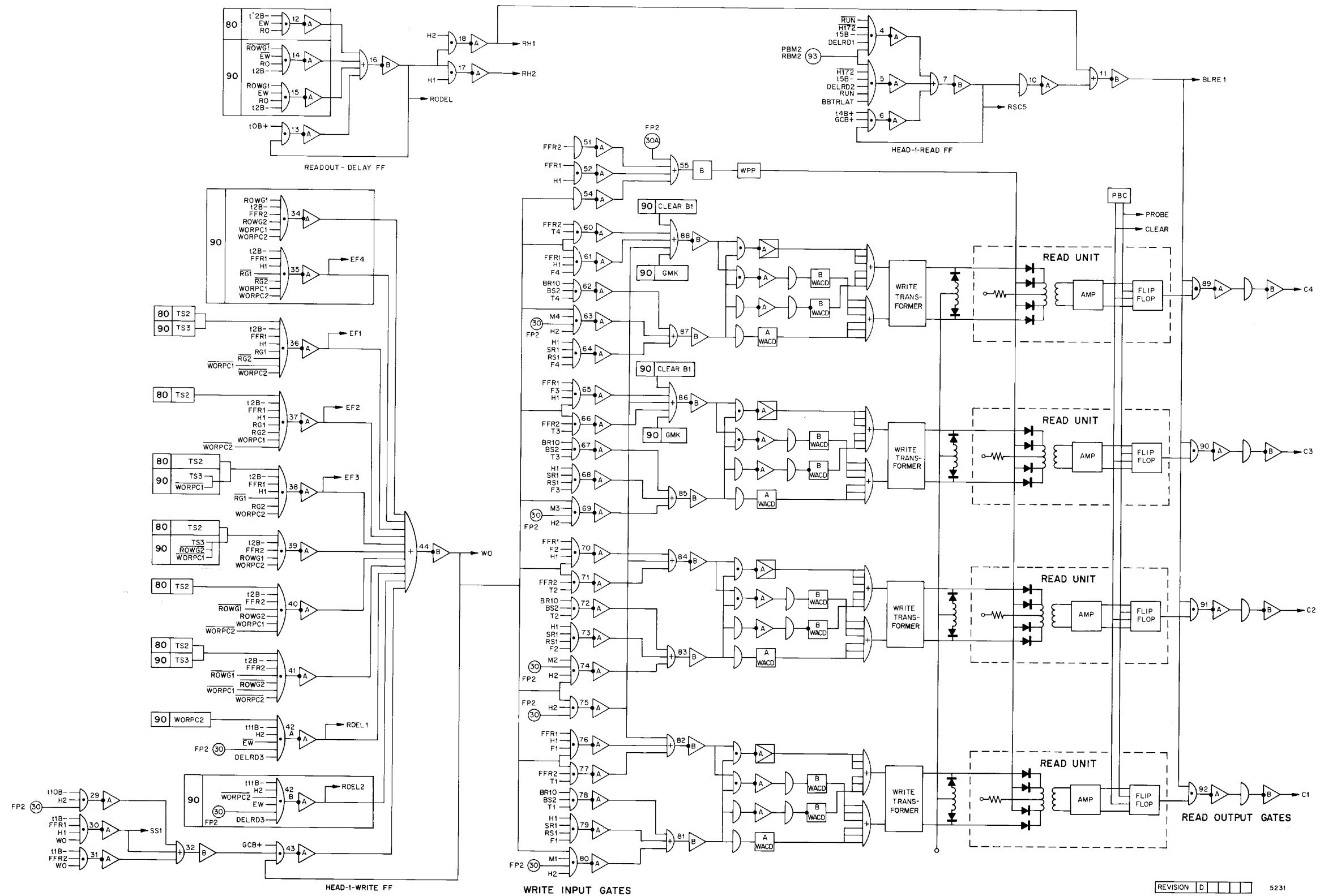


1-30A. Sense and Punch Logic, Part 3 (Model 130)

1-303

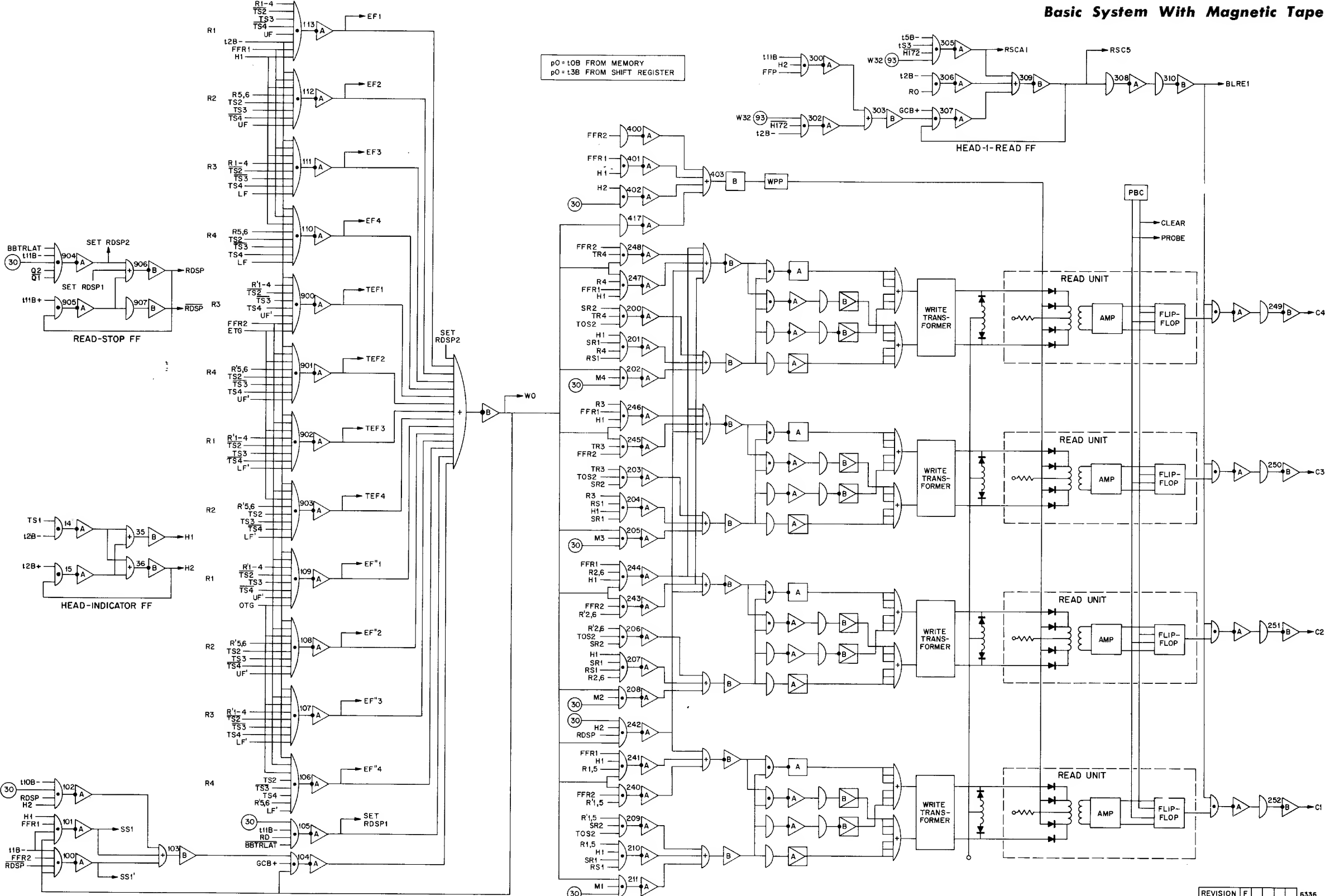
REVISION	B				6335
D 810 076					

Basic System With Magnetic Tape



1-31A. Card-Buffer Head 1 (Model 131)

Basic System With Magnetic Tape

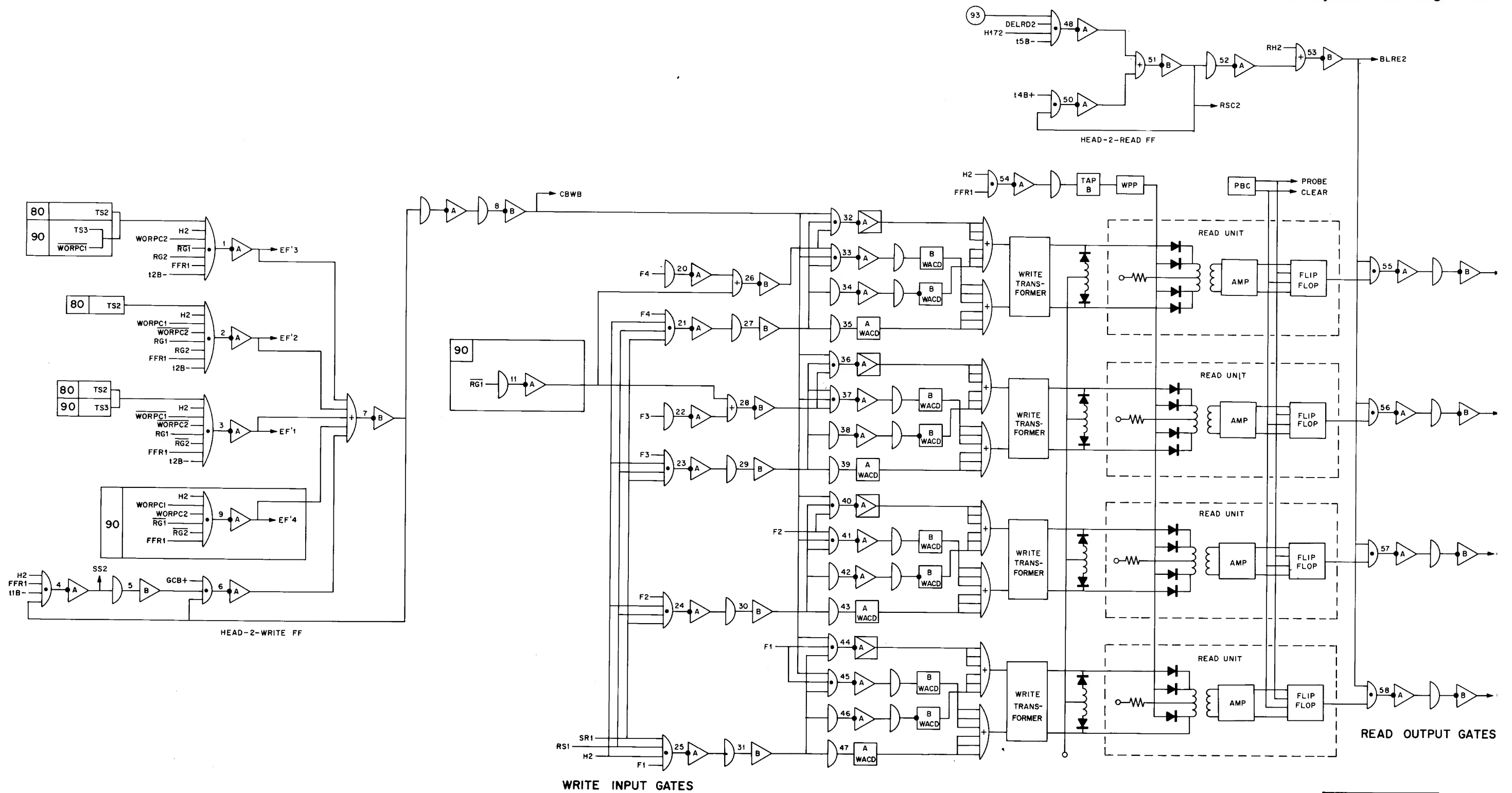


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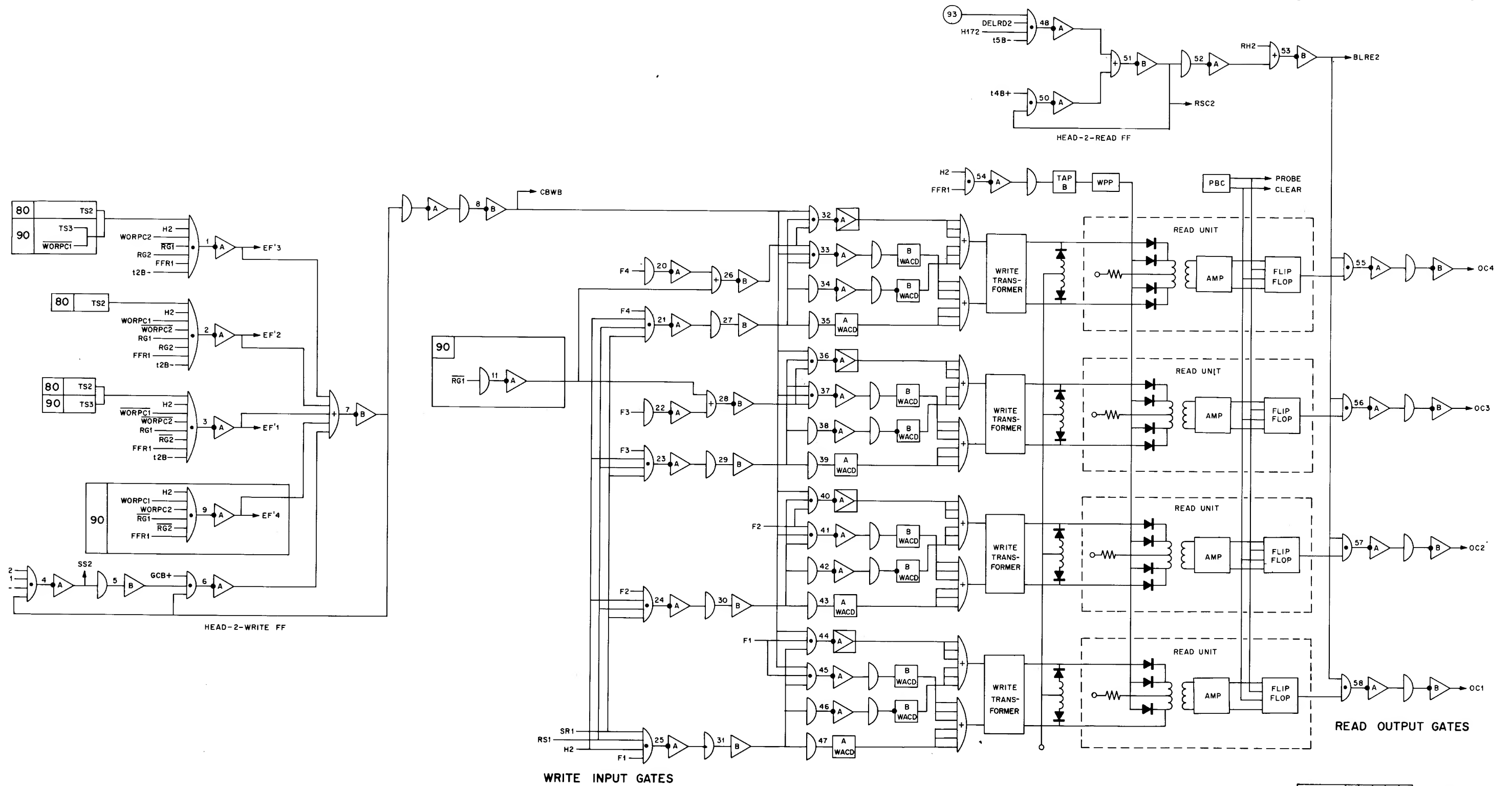
0810 070

1-31A. Card-Buffer Head 1 (Model 130)

1-31A

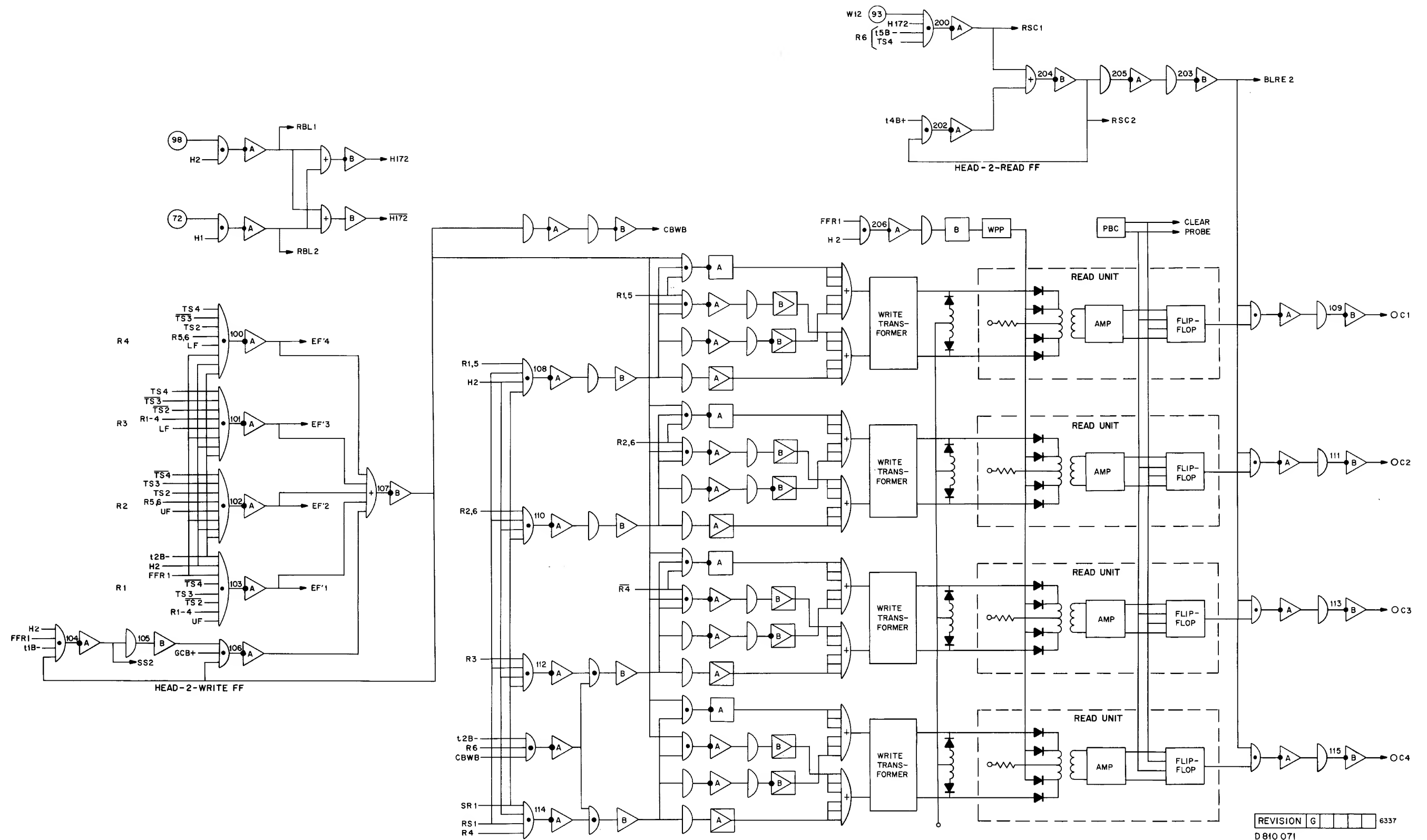


Basic System With Magnetic Tape



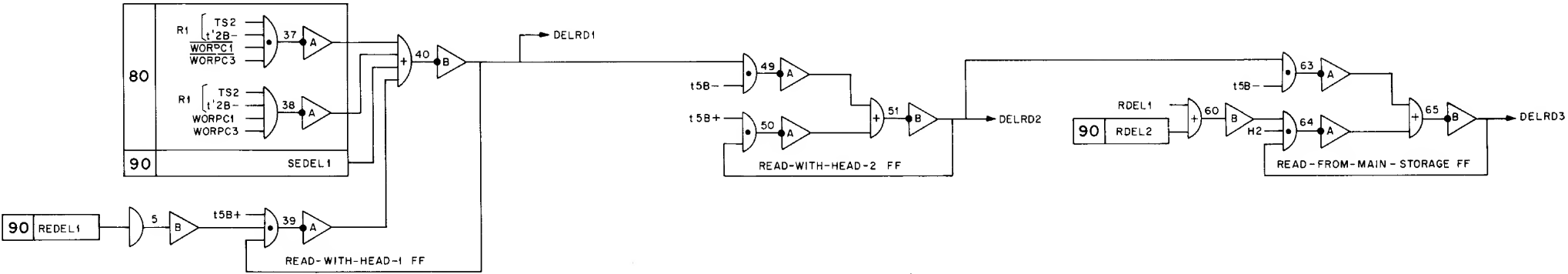
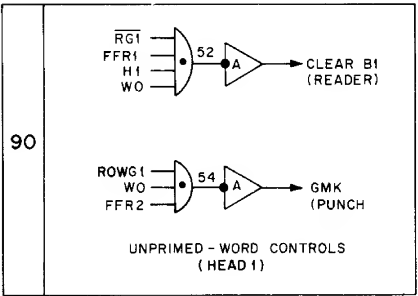
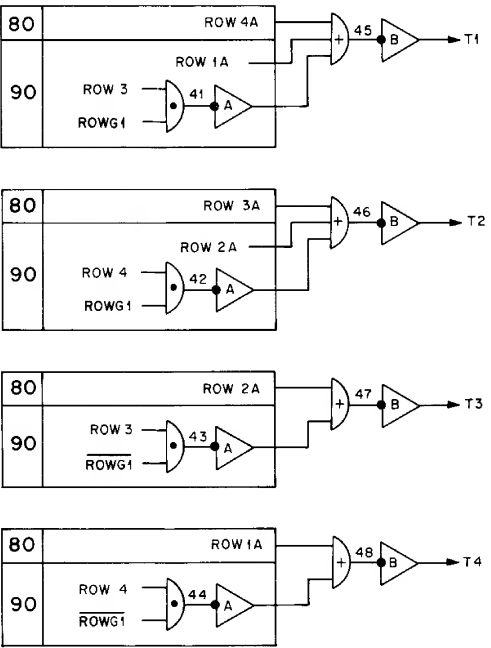
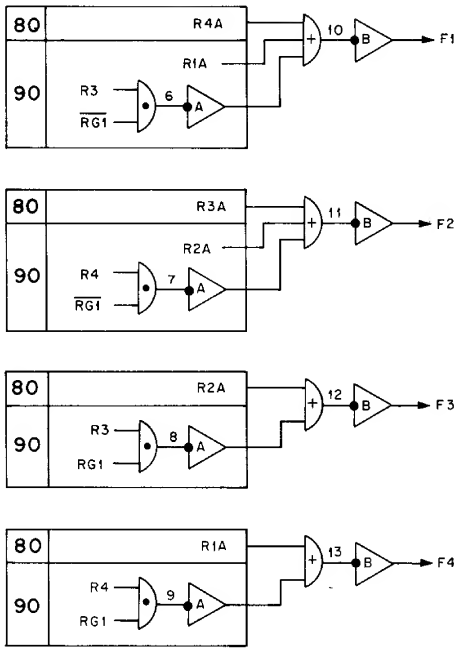
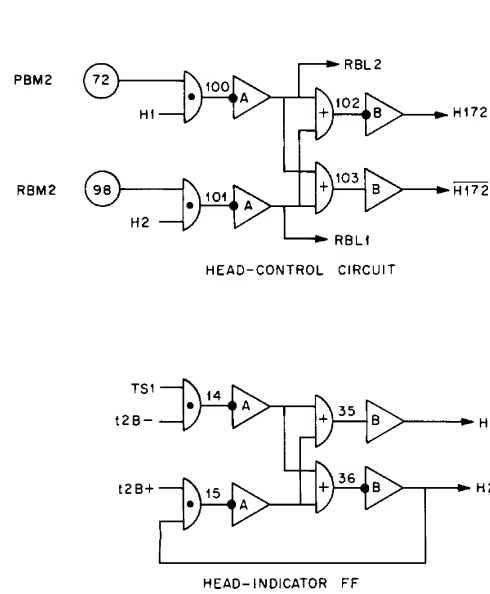
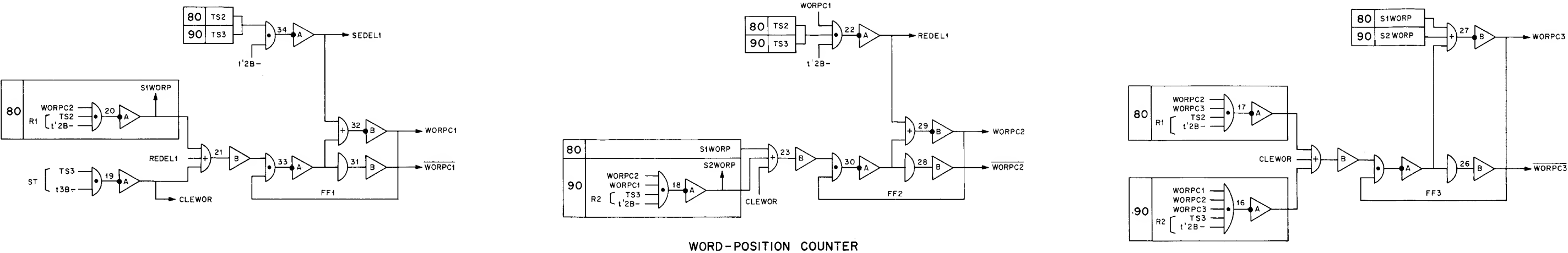
REVISION D 5232

Basic System With Magnetic Tape

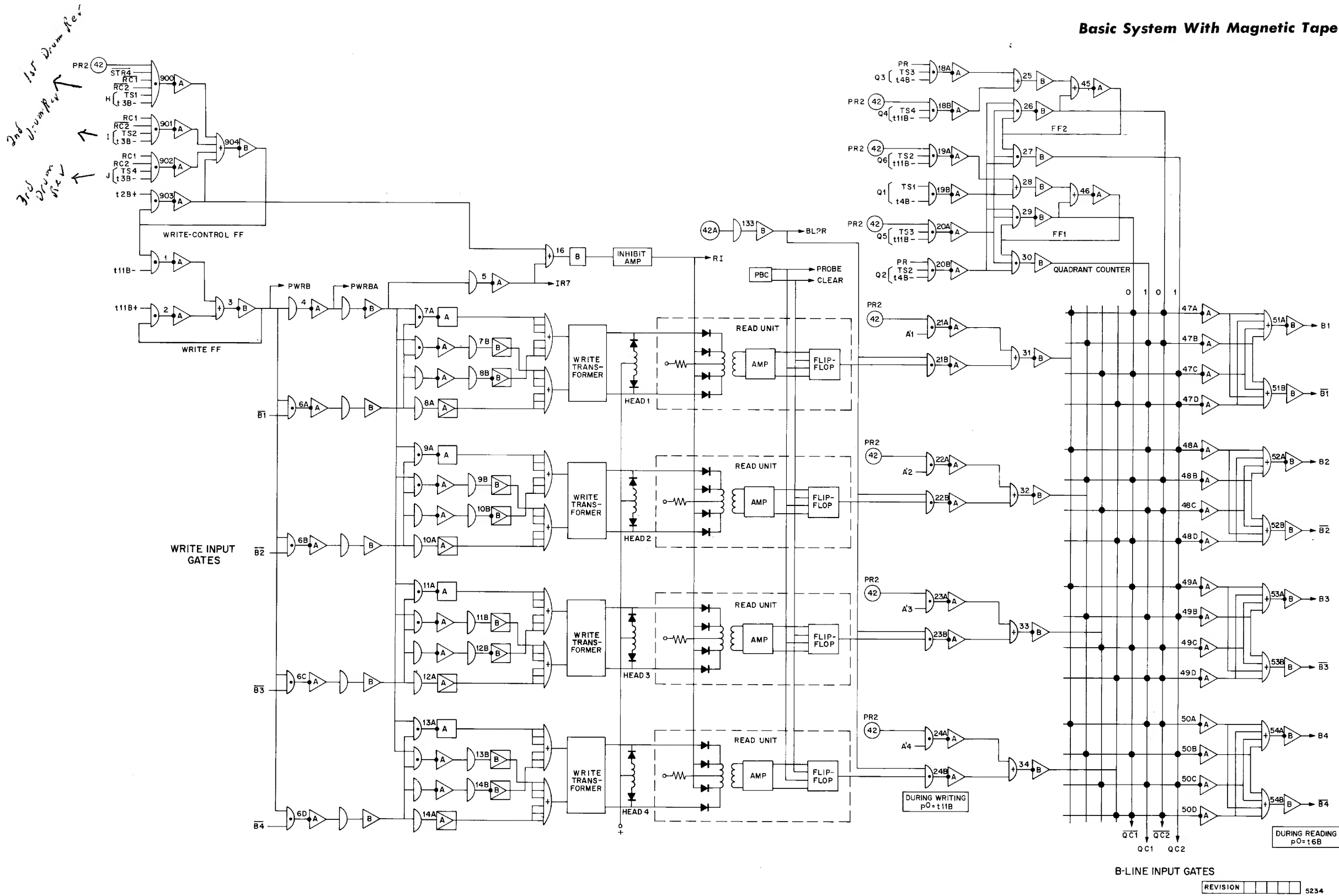


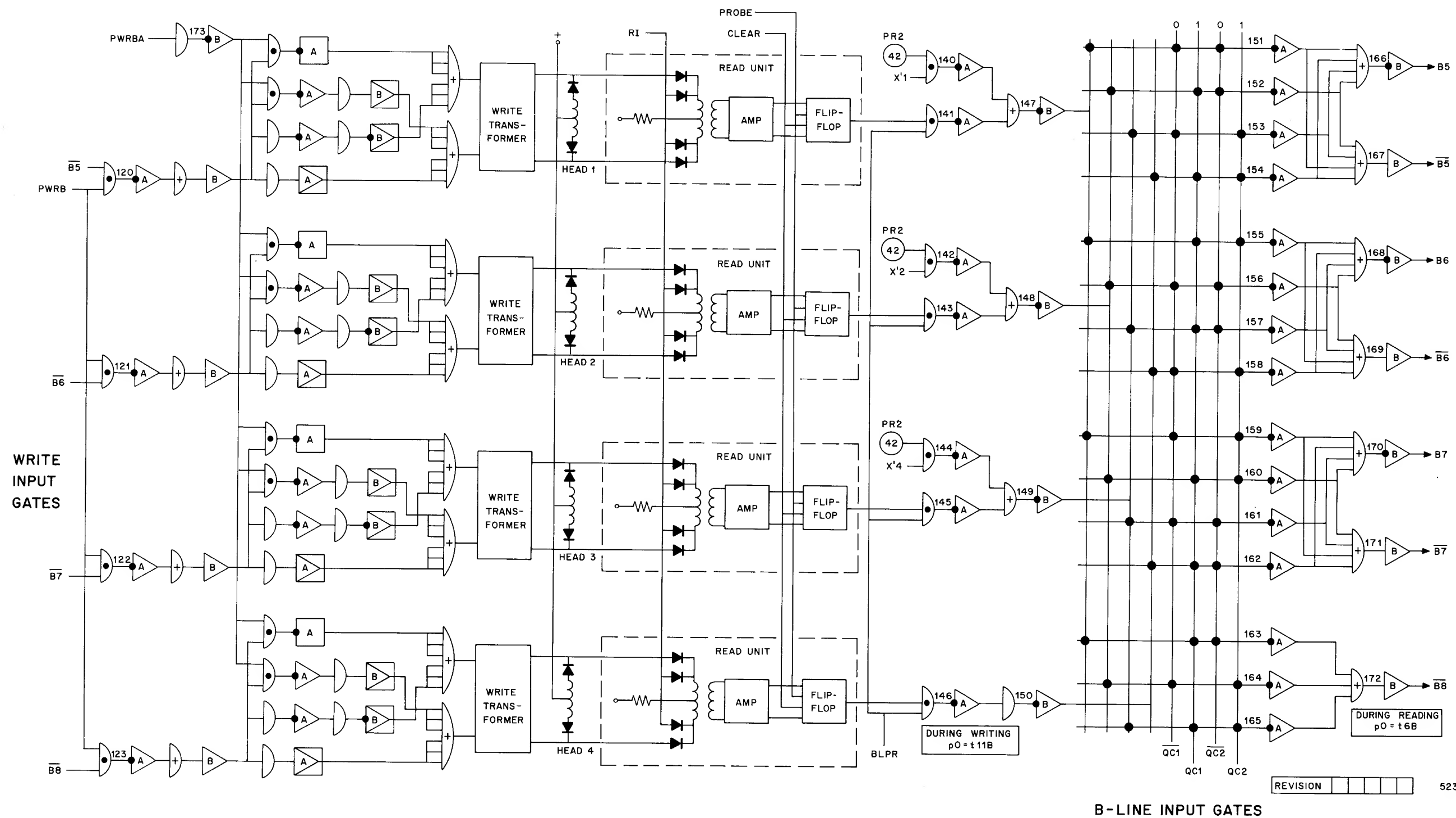
1-32A. Card-Buffer Head 2 (Model 130)

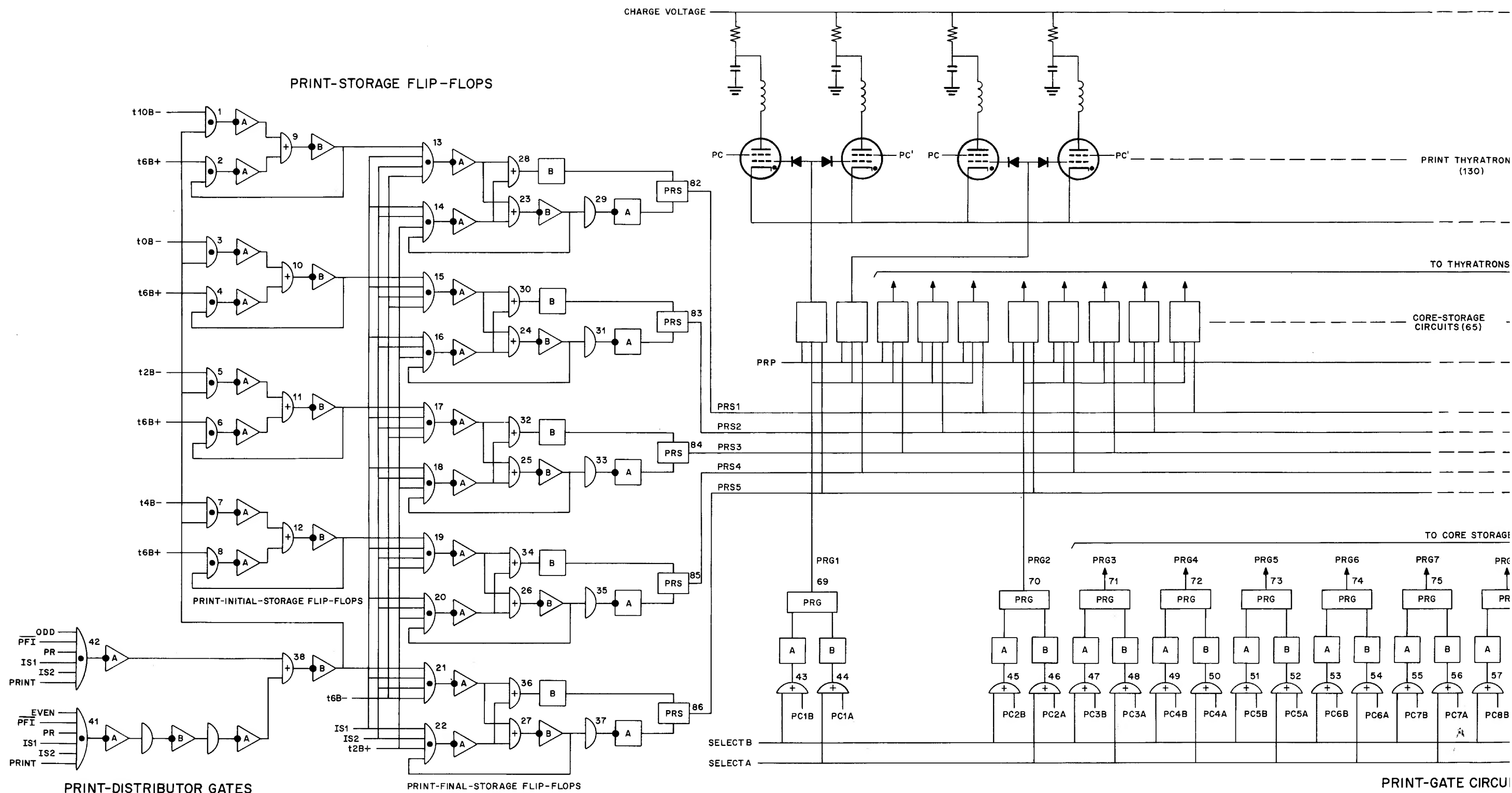
1-32B



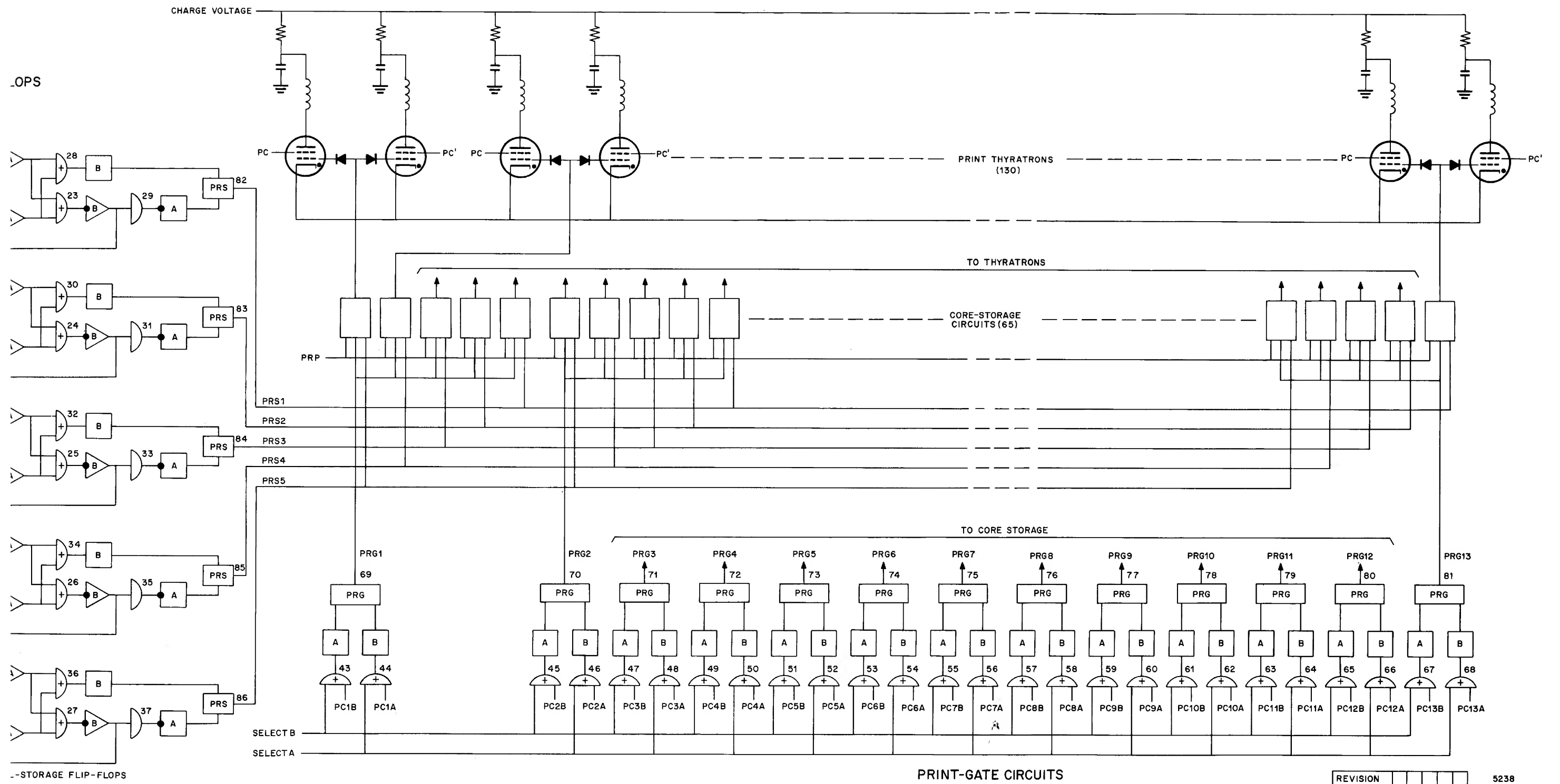
Basic System With Magnetic Tape



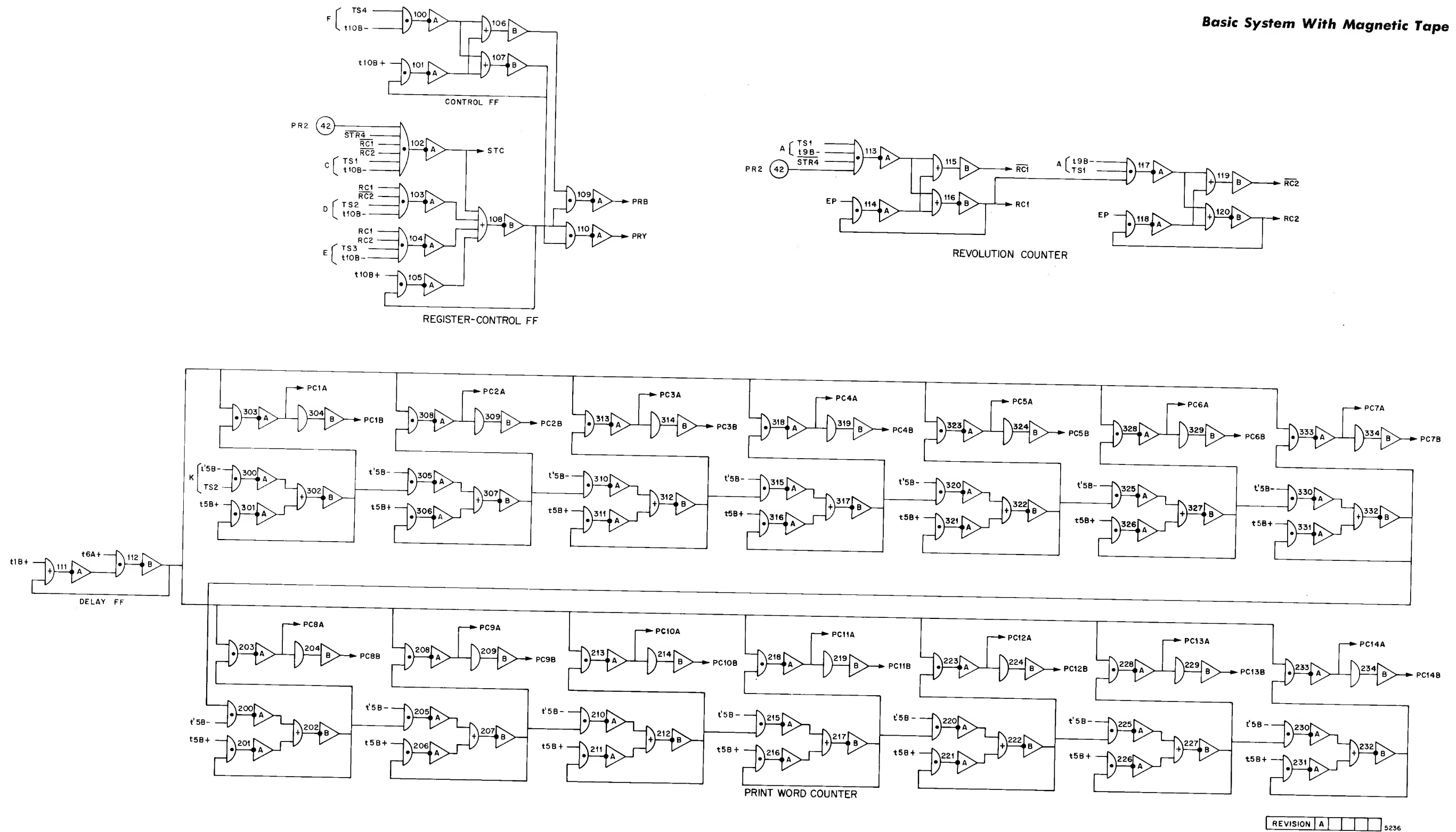




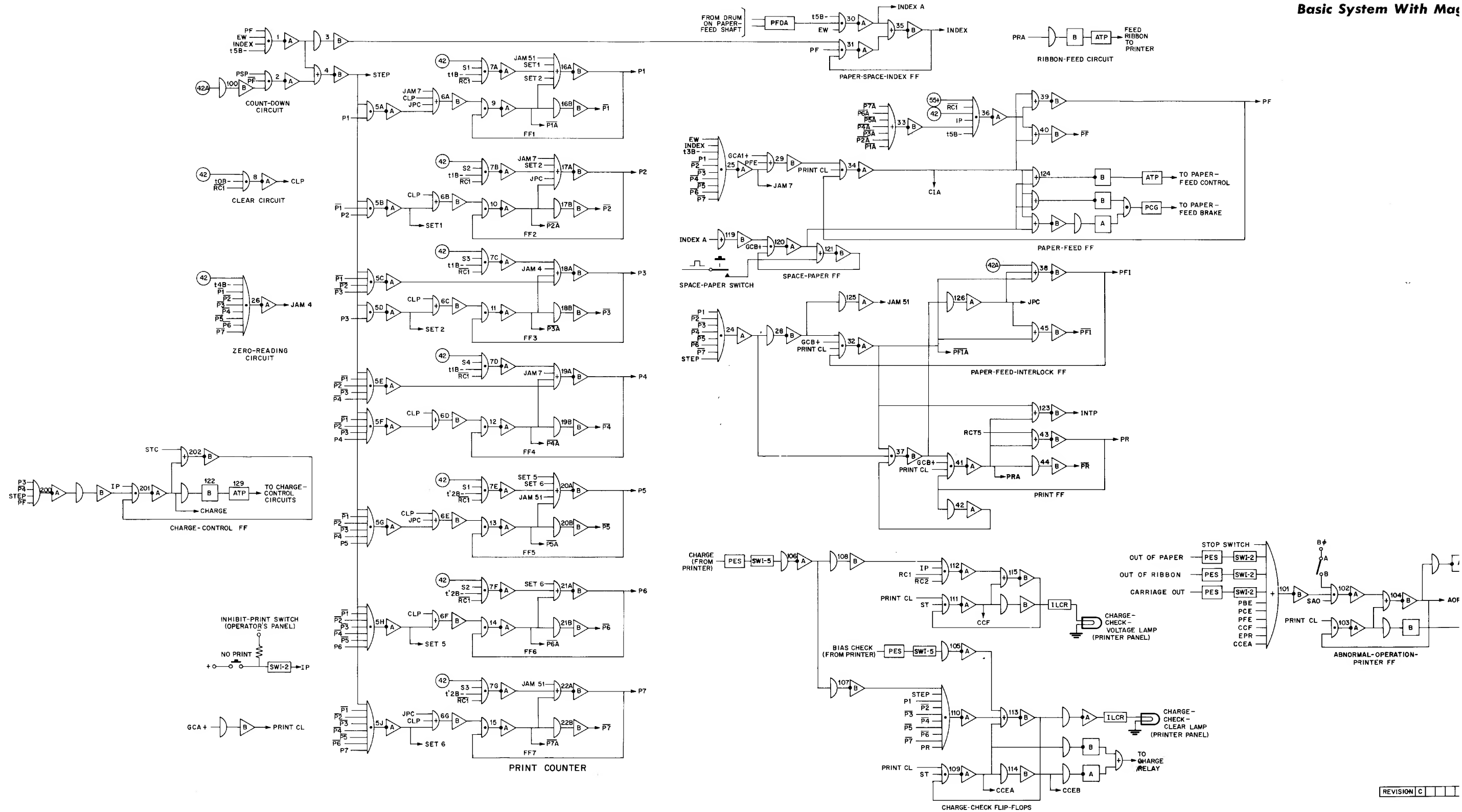
1-38A. Print Distributor



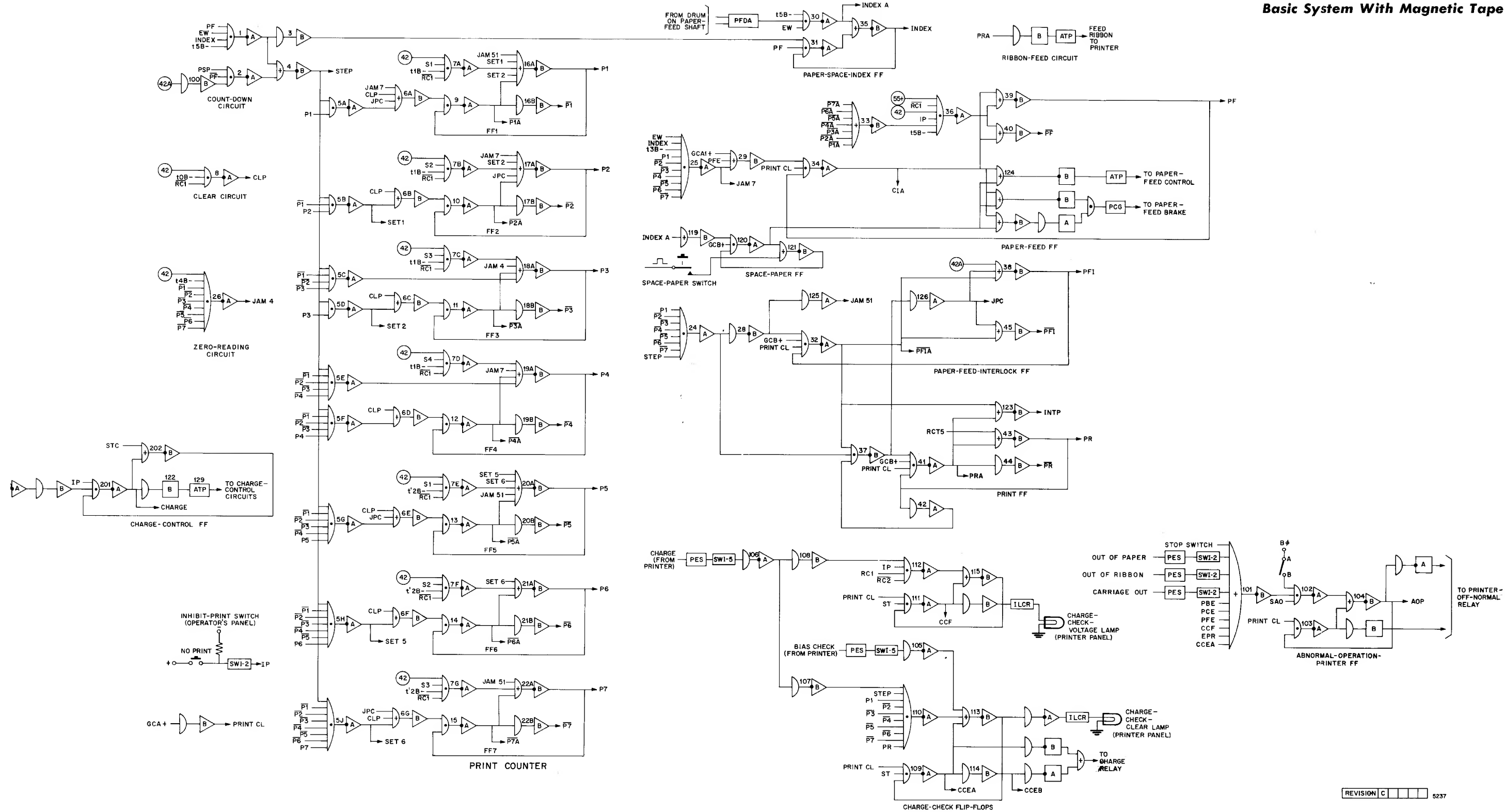
1-38A. Print Distributor



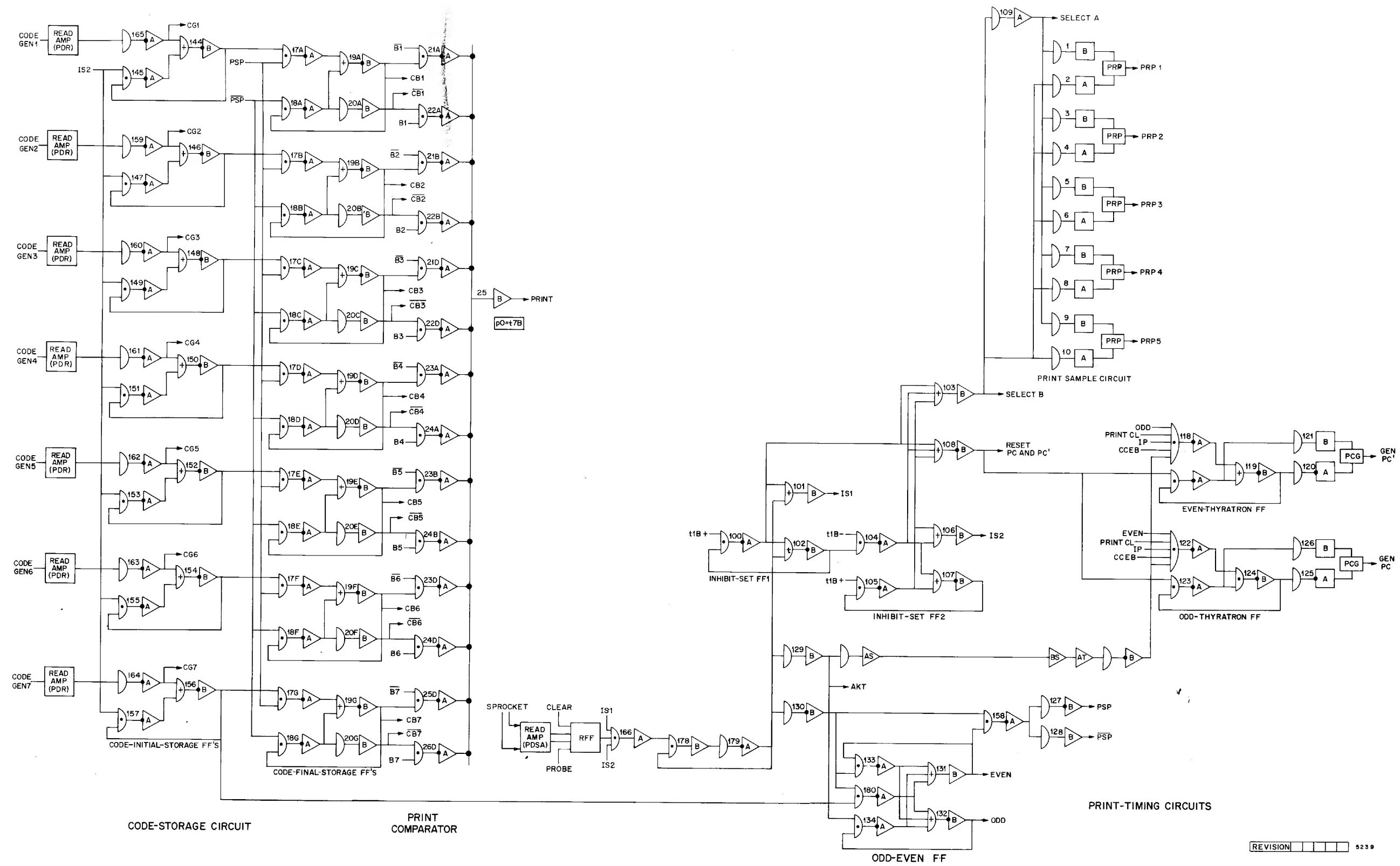
1-36A. Memory-to-Print-Buffer Control



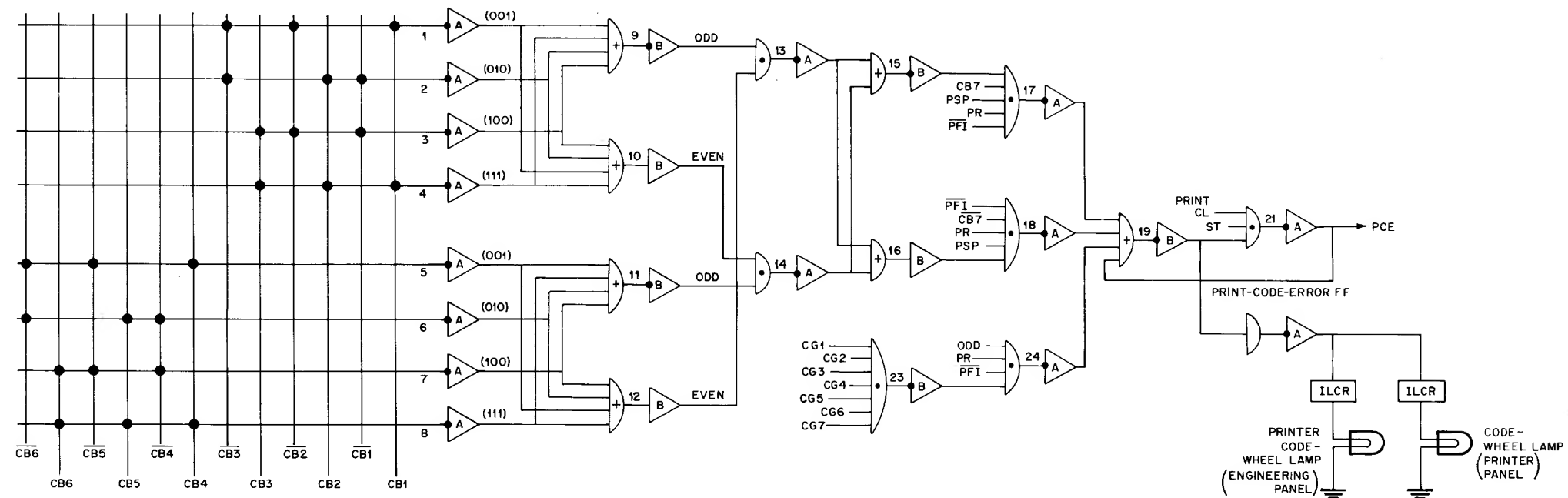
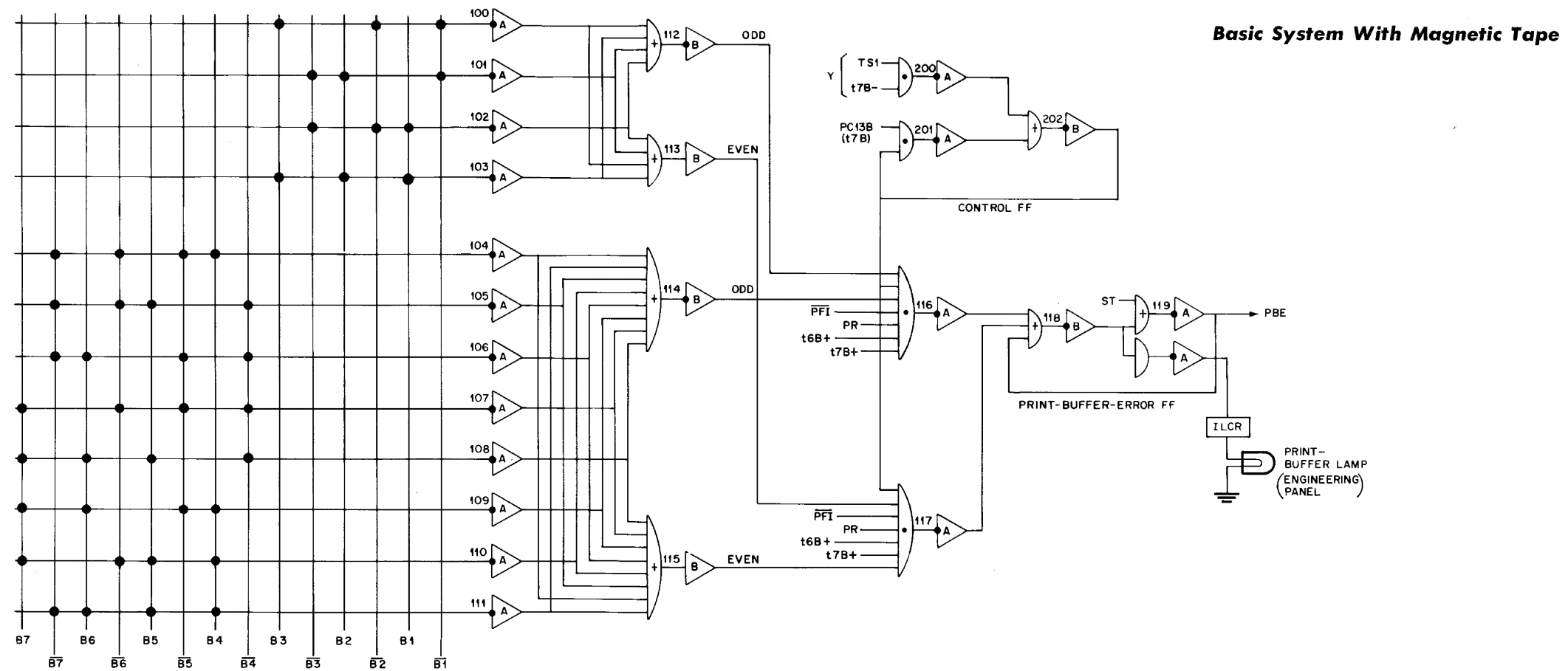
1-37A. Print Control



1-37A. Print Control



1-39A. Print Comparator



1-40A. Print-Code and Print-Buffer Error Flip-Flops

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